

Ham Chatter



Volume 56 Issue 9

An Official BARC, W4AMC, Publication

September 2022

Editor, Mark, KG4GVJ

Email: hamchatter@w4amc.com

September Meeting

**Club picnic at Dave Woods home, Sept. 13,
2022. 6PM**

8816 Eagles Cross Road, Fountain, NC 27829

**New Bern Bike MS this Sept 10-11, 2022.
Meeting at 6:30AM for volunteers**

Signup not recommended now due to close to Event time.
Those signed up, some notes on Page 2.

Reminder to self: Do not follow too close to bikers, drives
them nuts. Park and wait a while or pass, park and wait for
last rider if SAG following last in line.

Not long now before we need to vote for new Officers in the Club

Please think about being one next year Some positions will
be empty due to our Club's By-Laws. We hope to have in
the next issue the expected duties of each office.

Club President: Peter will not be able to run due to he will
have done the max 2 terms in a row. Job to help guide the
Club.

Vice-President's: One is still open, to help with the duties of
the president by taking on some of the needs of leadership.

September brings the FAMOUS BBQ
party at Dave Wood's house. There will
be rag chewing and tables for a swap
fest. We will take nominations for
BARC Officers for the next year. Have
your nominations ready! Not to be
missed!

*All members, families and guests are
invited to attend.*

Speaker:

Reminder, Dues due January 1, 2023

Please send in your checks to the
Treasurer or go to our W4AMC.com
[webpage](#) and use PayPal on the website.
Thank you.

**Board Meeting - September 27,
2022**

The meeting will be on ZOOM at

New Bern Bike MS this Sept 10-11, 2022.

Bike MS – New Bern – Event Info **Saturday, Sept. 10 and Sunday, Sept. 11, 2022** **Union Point Park, 210 E Front St, New Bern, NC 28560**

Saturday Ham Volunteer Meeting: **06:30**, Riverfront Convention Center, Talk-In: Use the Primary Repeater

Parking at Start/Finish:

Limited parking at the Riverfront Convention Center. Arrive early for the meeting. There's also a parking lot at the corner of S. Front and E. Front streets.

Checking in:

When arriving in New Bern on Friday, visit the Volunteer table in the Riverfront Convention Center and check in there. Expect to receive your T-shirt and likely the printed Bike MS Handbook.

Frequencies:

Primary: 145.23 Negative offset. PL 85.4 (Grantsboro)
Secondary: 146.685 Negative offset. PL 88.5 (Grifton)
SAG to SAG: 147.42 Simplex and 445.950 Simplex

Net Protocol:

We will use a DIRECTED net. All traffic will be sent through Net Control.

Tactical call signs from the Assignment Sheets will be used. To call stations, give your tactical call sign. After your message has been transmitted, close the message with your tactical call sign, followed by your FCC amateur call sign.

Ending by giving your FCC amateur call sign indicates that you are finished with that transmission and opens the frequency for other traffic.

Emergency traffic has priority.

If you have emergency traffic, begin by announcing... EMERGENCY, EMERGENCY. Net Control will recognize you and other stations on the net will standby.

Routes Close: 18:00 Saturday and 17:00 Sunday

Misc.:

SAG drivers, Ham (or otherwise) will be contacted by Bike MS Staff to assist them in completing a background check. This is usually initiated about a week before the event.

If you are working a Rest Stop and own a pair of FRS radios, consider providing the Rest Stop captain with one, so you may more easily stay in contact with them as they move around on location. Consider using: Channel 10 with 10 CTCSS CODE (10/10). Equivalent Frequency: 467.6125 Mhz, PL 94.8.

Repeater Hint: When keying your microphone, remember to "press, pause and then pontificate". Thanks in advance to K4AAQ

We have a request to help take a tower down...from Bernie: (Email)

Peter, Rick Lamonica is in bad health.

He wants to donate his tower to the club, which is a Heights free standing aluminum tower, not sure it's about 40 feet. We will need a working party to take it down, and get all the coax out.

I'm still weak from covid, but getting better, so it might be awhile before I could help. Maybe you & I can meet in the near future and discuss a plan to help Rick. Take Care

Bernard Nobles WA4MOK

—>Please contact Bernie and we will make a tower takedown party! Who can help with this?



VE News

To find the next VE testing session please go to the ARRL web site: <http://www.arrl.org/find-an-amateur-radio-license-exam-session> and find one in your local area. For local Hams, look up Gerald KN4CKL as he has been doing limited testing all through the pandemic. GO Gerald!!!!” You will need a reservation in order to be tested. Practice taking the test on line with <https://www.hamradiolicenseexam.com>. Study material at: <http://www.arrl.org/courses-training>.

The contents of this Newsletter doesn't necessarily express the opinion or views of Brightleaf Amateur Radio Club or it's members. No offence is intended.

Happy Birthday

Brightleaf Amateur Radio Club members birthdays :

09-01	KG4NSC	Pat
09-01	KC4ROR	Rose
09-05	KQ2V	Bro. Simon
09-06	KD4MTT	Mike
09-14	WA4DAN	Murray
09-20	W4FA	John
09-26	KC4HHW	Billy
09-29	WA7FXB	Albert
10-02	AC4PW	Martin
10-19	N4DN	Donald
10-28	K4BMH	Byron
10-31	K4ZYD	Terry

Next VE Session

Please bring to the Test the following, required:

- Photo ID (drivers license)
- Original Amateur Radio License
- Copy of Amateur Radio License
- Original CSCE's
- Copy of CSCE
- Test fee (Cash) .
- ◆ FRN number is required. *
- ◆ A valid Email address will need to be provided.

See this link for further information: <https://w4amc.com/get-your-license-ve/>

Gil Cartoons Courtesy of ARRL's 2021 Calendar(2020) and Gil, a Collection of Classic Cartoon from QST(1986-2007)

Articles in the Chatter may be from the ARRL Newsletters, ARES Newsletters and Section Managers. Others may be Material provided by others. Please respect possible copyrights.

Well Wishes

Thoughts and Prayers go out to the following:

Rick Lamonica is in bad health.

Please inform the Vice President and Ham Chatter of any changes or needs. This can be of death announcements, sickness or prayers requested.

Presentation Ideas Needed

Please send ideas of new presentation topics and presenters to our new 2nd VP Judy W3JUU
Email: info@w4amc.com

BARC Needs YOU!

BARC needs to know where You think we should go as a Club.

Service the Community, Contesting, Teaching, Elmering, What? Give us your thoughts.

Contact Peter or the Ham Chatter

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President's Corner, Peter, N4PVH



Dear Members:

I cannot believe it is already September and in 2 weeks, it will be the peak of the hurricane season, ARE YOU READY FOR A HURRICANE? The picnic at Dave Wood's house is going to be a great meeting with a swap fest (bring checkbook or cash) and is also the peak of the season for hurricanes. We have been lulled asleep as the first part of the season as it has been so quiet. You know what that means especially when you consider what makes averages: the second half of the season will be very active in order to have a normal average for the year! So my advice is to get ready now if you have not already done so. Here is an *incomplete* check list that I could come up with spontaneously while writing this article:

Do you have your **HT's charged and programmed** for all the local eastern NC repeaters?
Do you also have simplex memories programmed or **do you know how to change your radio to simplex** when you need it because the repeater went down?

Program the national simplex calling frequency into the first memory slot of your radio **146.520 MHz**. (no PL tone).

Who are the nearest Ham Operators that you can reach by simplex from your home should the phone lines go down? Use your local repeater output frequency as simplex so that your ham neighbors would be monitoring on the same frequency if they just turn on their HT's. (More likely to be heard.)

Do you have an **emergency 2 meter antenna** and feed line in your truck (like a Slim Jim antenna that David Sourdis and I built. See blog: <https://w4amc.com/2021/08/19/hurricane-season-in-full-swing/>)

Go Bag with clothes, money, medicines, and a bunch of necessary items for camping out without power, water, or other civilized items that we are all used to having. See the blog for more ideas.

Is your **generator serviced** and able to run, have gas cans full? When is the last time you ran it? How old is the gas that you have stored? Does it have Stabil in it to stabilize the fuel for long term storage?

Do you have enough **bottled water** for your family to survive 2 weeks?
How about **canned foods**, survival rations or dried goods for 2 weeks?

President's Corner

Continued

How about a camping **cook stove** with fuel canisters to be able to prepare meals and boil water if needed? Do you have a spare propane cylinder for your back yard grill?

How about a **tent and camping cot** to live in if the house gets destroyed or you get deployed to help others?

What minimal **tools, utensils, and knives**, gun or other survival gear do you need?

Do you have at least 2 weeks of **your medicines** to survive a pharmacy closure?

Where will you go if you are told to evacuate your home or area? Do you have a contact list and plan for evacuation? Did you **send a copy of the plan** to relatives outside your area?

Do you have **copies of important papers** like insurance policies and deeds, etc if your home gets destroyed?

How about a **First Aid Kit**?

This is just a list I thought of while writing this article for the Ham Chatter. It is an incomplete list but I hope to get you started in preparing for the worst as we have all experienced really bad hurricanes like Floyd that wrecked the infrastructure of eastern NC in 1999. In Florida, they remember hurricane Andrew that was forecasted to be a Category 2 or 3 but in 24 hours became a CAT 5 and the most destructive hurricane central Florida has ever had.



Hurricane Isabel from ISS September 2003 with the most effects on NC, VA, Washington DC, MD etc.

Can I get you all to find out which hams are nearest to your house and can you test your 2 meter HT on simplex with them and see if you can talk to them? Make a list of these contacts and send me a copy. In effect you are setting up an impromptu "cell" on 2 meters. This way if we need to get a mes-

sage somewhere, we can call our local ham and that person can relay the message on to the next "cell" or group.

Please edit this list and send me a copy of what you think I left out or what you think is the most important on your list.

Also, how are we as Hams going to communicate with each other to be able to help the community? After a bad event, should we all check in to our local repeater 147.090 if it is up? If not then do we try 145.350 or Grifton next? If not then we get on either 147.090 simplex or 146.520 simplex and call out to see who can hear you? I will leave this up to Judy W3JUU our new Emergency Coordinator to determine the protocol under such circumstances.

NEXT ITEM COMING UP: ELECTIONS WILL BE ON US IN < 2 MONTHS. WE NEED VOLUNTEERS TO RUN THE CLUB! PLEASE CONSIDER WHAT YOU COULD DO TO MAKE THE CLUB WORK WELL. HERE IS THE SLATE OF OFFICERS NOMINATED SO FAR:

Y= open position, N= Not open position).				
ELECTED POSITION	CURRENT	OPEN?	NOMINATION	WRITE-IN
President:	Peter VH (N4PVH)	Y	Beth Gonzalez (KN4FZB)	
1st V.Pres:	Mark Raysin (KG4GVJ)	Y		
2nd V.Pres:	Judy Taber (W3JUU)	Y	Judy Taber (W3JUU)	
Treasurer:	Terry Monday (K4ZYD)	Y		
Secretary:	Beth Gonzalez (KN4FZB)	Y		
Trustee #1:	Bill Dawson (WA4SLC)	Y	Bill Dawson (WA4SLC)	
Trustee #2:	Dave Wood (W4EJ)	Y	Dave Wood (W4EJ)	
NON ELECTED	CURRENT	OPEN?	NOMINATING	WRITE-IN
HamChatter:	Mark Raysin (KG4GVJ)	N	Mark Raysin (KG4GVJ)	
Webmaster:	Peter VH (N4PVH)	Y		
VE Liaison:		Y		
QSL Mngr:	Rich. Campbell (W4JNC)	N	Rich. Campbell (W4JNC)	
Public Rel.:	Peter VH (N4PVH)	Y		
Field Day:	Beth Gonzalez (KN4FZB)	Y		
EmComm:	Judy Taber (W3JUU)	Y	Judy Taber (W3JUU)	

SEE YOU AT THE PICNIC! Please send an rsvp to Dave Wood for a head count.
73 Peter, N4PVH

BARC Board Meeting

August 30, 2022

In Attendance:

Bill Dawson WA4SLC, Beth Gonzalez KN4FZB, Susan Langley-Jones WA4AKB, Dave Langley W4YDY, Mark Raysin KG4GVJ, Peter Van Houten N4PVH.

Reports:

Secretary: Previous minutes were accepted.

Treasurer: We have about \$3000 in the account. Several members have receipts to submit. Dave, Terry, and Peter need to visit bank to update list of who is allowed to sign checks.

Vice President of Programs: Working on re-scheduling a speaker for the October meeting

Vice President and Ham Chatter: This month's Chatter is nearing the deadline for production, but is accepting articles for future publication.

Business:

We still need tower climbers to help out with Rick LaMonica's tower.

We want to resume monthly breakfasts and are exploring restaurant options and availability. Watch for dates to be announced.

The September meeting is a picnic at Dave Wood's house, starting at 6:00 on the 13th. Wear your stretchy pants and be ready for some good food.

Elections are coming up in November and we are seeking nominations for the offices of president, vice president number 1, secretary, and treasurer.

It has been suggested that we monitor 146.52 for local activity.

We are still looking to reshape the club with more activities. Members are invited to submit suggestions for activities or speakers that would interest them.

Submitted by,
Beth KN4FZB

GREETINGS FROM THE HIGH COUNTRY

Aug. 5, 2022

June and July were busy months for Ham Radio in the Roanoke Division.

There were 126 listed Field Day locations in the four states which make up the division – North Carolina, South Carolina, Virginia and West Virginia. Then in July the ARRL's board of directors met near Hartford for its summer meeting. Lots of news and changes in supporting clubs. Plus, there's an avalanche of hamfests on the horizon, starting this weekend with the Roanoke (VA) hamfest on Saturday, followed by the Berryville (VA) hamfest on Sunday. I will be attending Berryville this year, so I hope to meet many of you there. Please drop by the ARRL table and say hello!

Many members were not able to access the Spring 2022 Roanoke Division newsletter. New algorithms in antivirus software programs along with internet security enhancements accidentally blocked the hyperlink which led to the spring newsletter. That's been corrected, so I encourage you to check out the Summer 2022 newsletter on the Roanoke Division's website. You will want to take a few minutes to enjoy the pictures and informative stories in this edition, including a list of the many upcoming hamfests in our region. Special thanks to web host David McGough, K4FXC, and division webmaster Woody Woodward, K3VSA, for resolving the roadblock. Click and enjoy:

https://www.arrl-roanoke.com/Roanoke_Newsletter_Summer_2022.pdf

Don't forget that this newsletter and all previous Roanoke Division newsletters are archived on the division's website at

www.arrl-roanoke.com Also you can keep up with Ham Radio events on the division's Facebook page, which is ARRL Roanoke Division.

Vice Director Bill Morine, N2COP, joins me in wishing you a wonderful rest of the summer.

I would also like to take this opportunity to give Vice Director Bill Morine N2COP a huge "THANK YOU" for all that he has done for the Roanoke Division now and in the past!

73,
Dr. Jim Boehner, N2ZZ
ARRL Roanoke Division Director

ARRL Roanoke Division
Director: James F Boehner, N2ZZ
n2zz@arrl.org

GREETINGS FROM THE HIGH COUNTRY

August 8, 2022

Summer is in full swing up here with warm afternoons and pop-up afternoon showers. When the afternoon high temperature in and near Boone hits 88, it seems very likely that a lot of North Carolina is experiencing fairly high temperatures.

The most recent report from the North Carolina Drought Management Advisory Council (<https://www.ncdrought.org/>) shows that approximately one third of North Carolina is experiencing drought or abnormally dry conditions. The driest portions of North Carolina are in the Sandhills and Piedmont with the coastal area and the mountains having average rainfall for this time of the year.

We are much better off than those who obtain their drinking water and irrigation water from Lake Mead and Lake Powell, data for which was posted on August 4, 2022.

"Millions at risk of power and water shortages as two of the nation's largest reservoirs on the brink of "dead pool status," U.N. warns.

Millions of people in the Western U.S. are at risk of seeing reduced access to both water and power as two of the nation's biggest reservoirs continue to dry up inch by inch. The United Nations issued a warning on Tuesday that the water levels in Lake Mead and Lake Powell are at their lowest ever and are getting perilously close to reaching "dead pool status."

Such a status means that the water levels will have become so low that water can't flow downstream with enough force to spin the turbines at the dams.

At maximum capacity, Lake Mead has a water level of 1,220 feet, according to NASA's Earth Observatory. On August 5, 2020, Lake Mead sat at 1,084 feet above the mean sea level. This year, it's at 1,040 feet above sea level.. NASA has said this could be the worst drought in the region in 12 centuries and that water levels must stay above 1,000 feet to continue providing hydropower at normal levels.

(<https://www.cbsnews.com/news/lake-mead-lake-powell-dead-pool-status-un-power-water-shortages/>)

Upcoming Hamfests

- a. August 13, Hamfest in Fayetteville, NC, organized by the Cape Fear Amateur Radio Club, information found at <https://cfarsnc.org/>
- b. September 2-4, hamfest in Shelby NC, organized by the Shelby Amateur Radio Club. Information found at <http://shelbyhamfest.com/>
- c. September 24, hamfest in Lexington, NC, organized by the W4PAR Healing Springs Mountain VHF Society. Information can be found at <https://www.w4par.org/> .
- d. October 8, hamfest in Winston-Salem, organized by the Forsyth Amateur Radio Club. Information can be found at <https://w4nc.com/event/2070/>

Asheville Radio Museum

A unique opportunity to examine some truly antique radios, some of which were manufactured in Western North Carolina—Hammarlund was manufactured at Mars Hill, NC. There will be an event and swapfest at the Asheville Radio Museum on October 15. The Museum is housed at the Asheville-Buncombe Technical Community College, Elm Building, 340

Victoria Rd Room 315, Asheville, NC 28801. Save the date (October 15)

– there will be a flea market as part of the event. Information can be found by dropping an email to ronaldbeaver1320@gmail.com. This will be a great time to come to the mountains during the leaf looking season!!

TAPR Returns to Charlotte!!

September 16-18 marks the return of TAPR to Charlotte. TAPR, the Tucson Amateur Packet Radio group, has long since moved beyond its original efforts involved in the development of packet radio modems. TAPR now has sessions dealing with a variety of digital radio topics. The 2022 TAPR Digital Communications Conference will be held at the Hilton Charlotte Airport Hotel. Information about TAPR DCC can be found at <http://arrl.org/news/arrl-and-tapr-digital-communications-conference-returns-in-september-2022>.

ROAD SHOW SEEKS HELP IN 2023 AT THE NC MOUNTAIN STATE FAIR

The Road Show Amateur Radio Club in Asheville is inviting amateur radio operators and clubs to consider partnering with the Road Show group in setting up a special event station and ham radio exhibit at the Mountain State Fair in Mountain State Fair in September 2023. The NC Mountain State Fair is held each year at the WNC Agriculture Center, 765 Boylston Hwy, Fletcher, NC 28732. Between 2015 and 2019 three other clubs helped the Road Show Group with staffing and they are asking other clubs to consider participating next year (September 2023) in helping publicize amateur radio. More information can be obtained by contacting N4HF, Phil Jenks at n4hf.philip@gmail.com

YOUR ROANOKE DIVISION NEWSLETTER MAY HAVE BEEN DELAYED DUE TO CONTINUING EMAIL PROBLEMS AT ARRL

Director Jim Boehner and Vice Director Bill Morine prepared a Division Newsletter a week or so ago. If you did not get their newsletter through the normal ARRL email system, you can read the newsletter by going to https://www.arrl-roanoke.com/Roanoke_Newsletter_Summer_2022.pdf

. The Roanoke Newsletter lists upcoming hamfests and contains photos taken at various Field Day locations across the Division.

ARRL ITEMS

a. ARRL has recently implemented changes that are designed to help clubs financially.

The Club Commission program provides that a club that enrolls a new ARRL member and collects the new member's dues and paperwork will receive a \$15 commission from the League. A member who renews their ARRL membership though the club will result in the club receiving a commission of \$5 for each ARRL member who pays ARRL dues and remits the dues and paperwork to ARRL HQ through the local club.

Information on how to access this club benefit can be found at <http://www.arrl.org/affiliated-club-benefits>.

b. ARRL HQ is urging clubs to update the information about their local club (officers, meeting dates and places, local webpage). You should designate a club member to log into the ARRL.org webpage and make sure that the information for your club is current and accurate.

c. The ARRL Annual Report for 2021 has been released by ARRL. The Annual Report which contains information about ARRL activities and finances and can be found at <http://www.arrl.org/files/file/About%20ARRL/Annual%20Reports/2021%20ARRL%20AR2021%20071222B.pdf>

d. Mike Walters, Field Services Manager, at ARRL indicates that there will very soon be an announcement of the first round of Club Grants coming from the \$500,000 gift from ARDF to the ARRL.

Upcoming EmComm Training Opportunity

Dupont Rescue Experience

Personnel who are working on their Auxcomm Position Task Books may want to consider signing up for the Dupont Rescue Experience which is scheduled to be held at the Dupont State Forest near Brevard, NC. The dates are November 11-13. Registration is limited to 200 participants and there will be opportunities for various search teams to track and locate "lost" hikers. There will be a full-scale incident management team that directs activities for personnel involved in the logistics of feeding, evaluation, communications, briefing, and documentation.

The training event provides the opportunity to be part of a large scale operation involving the numerous tasks involved in a large-scale disaster or emergency response. Information can be found at <http://www.dupontrescue.com/>. As more details become available,

registration for the exercise will be listed at <https://terms.ncem.gov/TRS/>.

CLOSING COMMENT

ADEQUATE WATER SUPPLY BUT GETTING CROWDED UP HERE

Boone is beginning to transition back into a full-time college town from being one filled with summer visitors. Almost all apartment leases here run from August 1 to July 31. Students living in apartments have begun to return and to meet up with their new apartment mates. University residence halls will open up next week and the big move in will occur once again.

Local news accounts indicate that developers are planning new hotels and additional apartment construction. Appstate continues to add residence hall capacity.

Best wishes to each of as you wrap up you summer plans and get set for leaf colors, football and crowded traffic.

Marv, WA4NC

ARRL North Carolina Section

Section Manager: Dr Marvin K Hoffman, WA4NC wa4nc@arrl.org

GREETINGS FROM THE HIGH COUNTRY

August 26, 2022

The economic activity that sustains the Boone area has definitely picked up in the past week or so.

Over the August 20 weekend, Appalachian State University reported that 6,100 moved into residence halls on campus. Of that number, 4,200 were new students and 1,900 chose to return to living on campus. There are about 22,000 students registered at Appalachian. Deduct about 2,000 students who are doing internships, student teaching, and various kinds of practicum experiences and you have about 20,000 students who are now in town exploring restaurants, bars, stores, hiking trails and generally finding their way around. Extra traffic control at traffic lights around campus, at Starbucks, the ABC store and various fast food were observed as weary parents got their kids up here and then headed home with wallets that were noticeably thinner.

Ah yes, streets are now clogged and business owners have smiles on their faces. Think about the AppState merchandise being purchased, hiking boots and shoes being sold, the meals and pints being consumed and you will have a pretty good idea what keeps the economy here going. In a month, the leaf lookers will be here and don't forget that over 30,000 fans will be at Kidd Brewer Stadium when AppState and Chapel Hill face off in Boone at noon on September 3.

ONE WEEK UNTIL SHELBY!

I can already taste the Shelby Barbecue and am anticipating pop-up showers. Get there early and get the bargains!!!

ARRL MATTERS

ARRL BOARD MEETING ACTIONS

From the ARRL Board Minutes distributed on August 18 for the July 15-16 Meeting at Windsor Locks CT:

- a. The Treasurer reported on the impact of stock market declines on the ARRL investment portfolio. (Item 8)
- b. The ARRL's FCC Counsel reported optimism that the FCC will move later in the Fall on the long-stalled items (Tech HF voice operation on 80 and 40 meters, abolish symbol rate rule to allow Pactor 4 on amateur hf bands, and create a digital sub-band plan for wideband digital signals) which have been pending for as long as six years. (Item 12)
- c. No later than January 1, 2023, the Silent Key listing in QST will be modified to include a notation when the SK is an Honorably Discharged Veteran. (Item 20)

CLUB COMMISSION PROGRAM

The ARRL Board recently authorized a change in the Club Commission program through which ARR-affiliated clubs that sign up new ARRL members or renewing ARRL members will receive a portion of the ARRL dues paid by those members. Recruiting a new member generates a \$15 commission to the club while a renewal of a membership generates a \$5 commission for the club. The program is explained on the ARRL webpage. Go to <http://www.arrl.org/affiliated-club-benefits> to learn what is involved and the forms to be used by clubs when they recruit new or renewing ARRL members.

CLUB GRANT PROGRAM

Funded by \$500,000 provided to the ARRL by the Amateur Radio Digital Council, ARRL solicited applications from affiliated clubs for grants up to \$25,000 to increase the visibility of amateur radio and to expand club membership. ARRL reports that applications totaling \$1.8 million were received and are currently being reviewed. Expect announcements of awards very soon, possibly before Labor Day.

The ARRL Board Minutes are posted at

<http://www.arrl.org/files/file/ARRL%202022%20Second%20Board%20of%20Directors%20Meeting%20Minutes-Final.pdf>

VOLUNTEER MONITORING PROGRAM

Riley Hollingsworth, K4ZDH, posted his report for July 2022 which contained several commendations to operators who demonstrated excellent operating practices, providing community services and for supporting local emergency management. The volunteer monitor also detected and

advised operators whose transmissions exceeded the privileges granted in their license or were operating with a canceled license. Two timber logging companies were cited for operating on amateur frequencies. Riley's Volunteer Monitoring Program group report can be found at <http://arrl.org/news/volunteer-monitor-program-report-for-july-2022> .

NEW RULES FOR FIELD DAY IN 2023?

ARRL Section Managers across the country were given a heads up that new rules are being considered for Field Day 2023. Although nothing has been decided, you should not be surprised to learn that there is concern on the ARRL Board that Class D operation from home using commercial power is thought by some as having reduced the opportunities for the public and particularly young people to see how amateur radio can deploy into the field for emergency operations. Also, there may be a return of a high power category with power levels up to 500 watts. Concern has been expressed that operating FT8 does not capture the excitement of amateur radio when young people or prospective hams come to a Field Day site.

Please remember that Board Members (Directors and Vice Directors) make ARRL policy and Section Managers are not involved in policy formation.

If you have thoughts about Field Day rules, or other ARRL policies, contact Jim Boehner (jboehner01@yahoo.com) and Bill Morine

(n2cop@ec.rr.com) and express yourself to them.

Extremely Rare Radio Receiver at Asheville Radio Museum According to a news story, the Asheville Radio Museum has acquired one of only 40 Zenith Stratosphere 1000-Z radio receivers in existence.

Only 350 were ever produced. I plan to do my share of ooo- and ah-ing at their Vintage Radio Flea Market that will be held on October 15.

Directions and details about the museum can be found at <https://www.avlradiomuseum.org/> .

UPCOMING EVENTS

HAMFESTS

September 2-4, Shelby, "The Granddaddy of them All", Cleveland County Fairgrounds, organized by the Shelby Amateur Radio Club. Info at <http://shelbyhamfest.com/>. There will be forums about the NC Section, Parks on the Air as well as Summits on the Air. Roanoke Division Director Jim Boehner, N2ZZ, will give an update on ARRL matters including the status of ARRL-FCC matters that have been stalled for six to eight years.

September 24, Lexington NC, W4PAR Healing Springs Mountain VHF Society Hamfest, 366 Livestock Market Road, Lexington. Info at <https://www.w4par.org/2022-hamfest> .

October 8, Winston-Salem, Forsyth Amateur Radio Club, Robinhood Road Baptist Church, 5422 Robinhood Road, Winston Salem. Info at <https://w4nc.com/event/2070/>

CONFERENCES AND CONVENTIONS

ARRL- TAPR DIGITAL CONFERENCE IN CHARLOTTE

September 16-18, Charlotte NC, Hilton Charlotte Airport Hotel.

Technical discussions focused on state of the art digital projects as well as information for those who are just getting into digital projects. Info on the conference can be found at <https://tapr.org>.

TAPR has a rich history of developing packet radio decades ago and remains a leader with construction projects and conference papers.

W4DXCC CONVENTION IN PIGEON FORGE TN SEPTEMBER 23 for the past 17 years has drawn many of the top contesters in the world. Seminars, demonstrations of the newest equipment and a Boot Camp for those who are just getting into contesting. Info at <http://w4dxcc.com/>.

New Feature Coming

I have been told that it is difficult for visitors and new hams to find out much about ham radio in their area, particularly as to when local nets are held. We plan to add a table to the webpage at ncarrl.org that lists the local VHF and UHF nets across the state. Send me a quick note (at mkhoffman2006@gmail.com) if you want your club net included on the list.

CLOSING COMMENT

Average temperatures have begun to drop up here. Local media have had pictures of a few trees with leaves that have begun to change colors—not many, but some—which reminds us that in a month we will be well into the season of Fall Colors up here. Motels will be full, all the way down to Hickory, Wilkesboro, Morganton, Spruce Pine, West Jefferson and Marion. Begin planning your leaf looking trip now, if you haven't already got your motel reservations.

Marv

ARRL North Carolina Section

Section Manager: Dr Marvin K Hoffman, WA4NC wa4nc@arrl.org



Yabba-Dabba-Doo from "Bedrock"
Mark, KG4GVJ

Hi folks,

I have confirmed I have Covid but I am working on getting this out to all of you. Being the type of guy who can easily put off until tomorrow, this really made it harder to do. At this point, I'm waiting on one article and then I can work on the index.

This month, I believe we will have 3 known volunteers returning to the MS Bike at New Bern. So far, it sounds like I'll be a SAG again. I expect to do better due to what I learned last year. Like: Don't have your control head sitting on the seat by you with everything else. The channel may get changed without knowing it. I have a windshield mount I'm using this year.

Some bikers have a device to warn them of a car too close to them. I hovered the end of the line last year. Must not do that this year.

Okay, I was in a online meeting last night and it looks like I'm on a Rest Stop. Now I need to push myself with this illness and finish preparing



Interested in the Ham Chatter?

If you are not receiving *Ham Chatter* email notices and would like to receive them, please send an email to hamchatter@w4amc.com so we can get your email address and put you on the list. You may miss some important BARC notices. - KG4GVJ

Help the Editor.

Do you have something to say or post? Want to write an article? Any ideas? Comments and notice's of help needed (Personal or club needs or activities? Can be BARC related or other Club's) are welcomed. Have interesting photo's or articles? Done something related to radio? Please let us know and we may add them to the Ham Chatter and web page Blog.

Send it along to the [Editor at Ham Chatter](#). We will see if we can fit it in soon.

Be a Net Control

Volunteer to help with the Weekly Net for BARC, or other nets. All are welcomed. It's great practice for if you need it for later, it's like First Aid training. A script is available to read off of to help in the progress on the web site.

PUBLIC SERVICE?

Website for NC hams who are interested in public service, Check it out at <https://hpsnc.org/>.

Other Club's Meetings and News

Forsyth Amateur Radio Club (FARC) W4NC

Like us, FARC is also having to deal with the Virus these days. They meet on the 2nd Monday of the month at 7:30 PM at the Red Cross Blood Center on Coliseum Drive in Winston-Salem. As this is a medical site, mask are required please.

ARES/Auxcomm training is on the 3rd Thursdays at 8:30 PM at 897-9792-5844.

Tech-Talk is on Wednesdays at 7:30 PM (informal) 549 621 524.

Password is their Call sign. From FARC website, <https://w4nc.com>

Repeaters: 145.47 (100), 146.64 (100), 444.275 (100)

New Bern Amateur Radio Club started Live Meetings

Next meeting @ 6:30 PM (Always 1st Monday of each month) at Moore's Old Tyme Chicken, BBQ & Seafood, 3621 Dr. M.L.K. Jr Blvd. New Bern, NC 28562 (next to Harris Tee-ter Shopping Center). Be sure to drop by and check out the New Bern Amateur Radio Webpage at <https://nbarc.org/> and check out the wealth of info on the LINKS page at <https://nbarc.org/ham-links/> Repeater 146.610 T-100, Net every Tuesday at 7pm

CARTERET COUNTY AMATEUR RADIO SOCIETY W4YMI

Regular club meeting is normally held on the fourth Saturday of each month (except December) at Cox Family Restaurant on Highway 70 (4109 Arendell St.) in Morehead City. We meet for breakfast at 8:00 am, with the meeting getting underway promptly at 8:30. Please park your car in the parking lot behind the barber shop and enter through the door on the east side of the building.

IMPORTANT: Due to the corona virus, we ask that people attending are vaccinated. Also, please use your best efforts to maintain social distancing.

[Carteret County Amateur Radio Society \(w4ymi.com\)](http://www.w4ymi.com)

Repeaters:

W4YMI Digital (DMR) - 444.975+, Color code 1.
Analog Repeaters:
K4GRW Newport 145.450, Offset of +5, tone 100.
W3ENK Newport 444.825+ offset of +5, tone 88.5
KD4KTO Stacy 444.000+ offset +5, tone 162.2
Area 6-meter repeater 53.090 MHz, offset of -1, tone 162.2

Nets every Tuesday night at 7:30 PM -8:30PM

New Club Website: From the Secretary
Last week my work on the CCARS website included adding a public forum. The forum is an interactive area of the website where users can post news, ask questions, socialize, post photos of their projects and events, post ham gear for sale or wanted to buy, and post comments or Elmer advice on various Ham radio topics such as antennas, radios, digital and CW modes, etc.

As far as I am aware, CCARS is the ONLY CLUB in the area that has this feature on their Club website. So we are setting the bar as far as our Club webpage goes. I hope to get participation on the forum from CCARS members and I would like to see Hams in the area Clubs such as New Bern and Onslow use it as well. A forum is only practical if

there's activity on it. Currently I am the only member there. One of the advantages of the forum is that when the Hurricanes hit our area, the Internet is usually still working. Even those without generators who have no power still often have a working cell phone that can access the Internet. Therefore, those who can't power their Ham equipment can still communicate both with other club members, locals, and even with Ham friends in other areas via the Club forum.

Please take a minute to check out your forum. It is accessible from the CCARS website at www.w4ymi.org. Click on the "forum" link at the top right of the navigation bar, or directly at [Home | W4YMI \(freeforums.net\)](http://Home|W4YMI(freeforums.net)).

A few things to keep in mind, you have to register to post to the forum. The "Ham gear for sale" and "Ham gear wanted" section is hidden from the public. Only those who join the forum can see these sections. I did it that way to deter the scammers and con people who would surely contact you from Nigeria and elsewhere to run their scams if they could see your items for sale/items wanted posts. Also bear in mind the forum reflects on our Club, so please keep your posts family-rated and civil just like you would if you were speaking on the radio.

Enjoy the new forum and if you think there should be new categories added, just let me know and I can add it.

73 de Anthony, KD3Y

Feb 9, 2022 **2022 Public Service Events**

Greetings Volunteers,

The 2022 public service event season is just around the corner and I am happy to announce that I expect a full schedule of at least 9-10 events. As usual, the schedule is bike-event heavy but there is at least one event, the MS Walk on April 2nd, that will not need SAG vehicles and will be mostly stationary.

I am also happy to announce the creation of a new [Ham Public Service North Carolina \(HPSNC\) website](#) where you will find the new event list and other information about volunteering for public service events. You can [sign up via this new website](#). The [RARS website public service page](#) still has the schedule and other information posted and you can still sign up there as well. However, all sign-ups will move to

the new website in the near future. The HPSNC website includes a blog page where I plan to post articles of interest, photos, information about public service, etc., so keep an eye on that space.

As you are all aware, each event needs several volunteer radio operators to ensure the transmission of consistent, accurate, and timely information to the event organizers. I will be asking for volunteers throughout the season and relying on all of you to help make this year a success. I am also working hard to add new volunteers to the roster this year. There seems to be a lot of new hams getting their licenses lately. Perhaps I can lure some of them in with the promise of a free volunteer T-shirt! Seriously, I can't think of a better way for new hams to get over mic fright and to learn good radio and communication skills.

I thank all of you for your past participation and your continued commitment to supporting worthy causes while doing something we love – talking on the radio. I hope to see all of you at this year's events.

73,
Jeremy Lindsley – K2HJX
On behalf of HPSNC

ARRL North Carolina Section Traffic Manager
NTSD MBO TCC/EAN/4RN
RRI Digital/Winlink Liaison

From: Mark *****
Sent: Monday, May 9, 2022 17:04
To: w4dna@*****
Subject: Eastern North Carolina Traffic Net

Mr. Roy,

I am Mark Raysin, KG4GVJ in Greenville, NC. I've noticed the Traffic Net has not been in operation from the 146.685 repeater as listed. In talking with another operator on the repeater, I learned the long standing Net Control operator had retired from the position and no one had stepped in to run the Net. Would it be alright to try to startup the Net again and if there is a list of control tones to bring up and drop the Net and a script?

Thank you.

73,
Mark ***** , KG4GVJ
Brightleaf Amateur Radio Club
"Ham Chatter" , Editor

Email about the Traffic Net:

Hi Mark – great to meet you!
We have moved the net to the N4HAJ 440 linked system, including the 444.725 repeater in Greenville.

Long story short, the receive antenna for the .685 repeater is gone – totally. Only the hard line left. Some can still get into it, but not reliably. We are trying to get a replacement antenna installed, but access was limited to the primary users antenna modes. Now the elevator is broken...

Feel free to join us at 2030L on the linked system. I call it nightly, except Saturdays. Doug, K4ROK calls it that night.

73 de W4DNA – Dave



ARES/AUXCOMM News



The five USB channelized 60-meter frequencies are available for interoperability (communication between services). By convention, Channel 1 is designated the calling channel. This convention is established to train the amateur radio community to reach out on Channel 1 in times of national emergency, for information from the federal government. The amateur radio community uses 60 meters on a secondary basis with federal agencies. This and similar 60-meter interoperability exercises are conducted during the first full week of each month. More information [here](#). - ARRL News

ARES Resources

- [Download the ARES Manual \[PDF\]](#)
- [ARES Field Resources Manual \[PDF\]](#)
- [ARES Standardized Training Plan Task Book \[Fillable PDF\]](#)
- [ARES Standardized Training Plan Task Book \[Word\]](#)
- [ARES Plan](#)
- [ARES Group Registration](#)

· [Emergency Communications Training](#)

The Amateur Radio Emergency Service® (ARES) consists of licensed amateurs who have voluntarily registered their qualifications and equipment, with their local ARES leadership, for communications duty in the public service when disaster strikes. Every licensed amateur, regardless of membership in ARRL or any other local or national organization is eligible to apply for membership in ARES. Training may be required or desired to participate fully in ARES. Please inquire at the local level for specific information. Because ARES is an amateur radio program, only licensed radio amateurs are eligible for membership. The possession of emergency-powered equipment is desirable, but is not a requirement for membership.

How to Get Involved in ARES: Fill out the [ARES Registration form](#) and submit it to your local Emergency Coordinator.

AUXCOMM Training

REQUIRED TRAINING

The State of North Carolina has mandated that all personnel performing any functions within any Emergency Operations Center, forward Command Post, or any Incident where Incident Command System (ICS) is used have

completed basic ICS training. This training is available via the FEMA Learning Institute's on-line training system at <https://training.fema.gov/nims/>. Training required is ICS-100, ICS-200, ICS-700 and ICS-800.

It is recommended taking the courses in the following order: ICS-700, ICS-800, ICS-100 and ICS-200. You will be asked to register for the courses and a certificate of training will be issued upon successful completion. Team members are requested to forward an electronic copy of their certificate's to the AuxComm - ARES EC at the email address below. Completion of these courses will permit AuxComm - ARES team members to perform Radio Operator at duties an EOC or other ICS Command location. Each course is self-paced and should take approximately 3 hours to complete on-line.

We suggest keeping clear of the Frequencies use by Hurricane nets during the Hurricane season along with posted frequencies during other Emergencies.

Editor

Staying Flexible and Adaptable: Planning for Communications Continuity

Achieving secure and resilient voice and data communications across the Emergency Communications Ecosystem is essential for public safety agencies to execute their missions. However, as emergency communications systems and functions become more interconnected, they also become more vulnerable to impacts from physical and cyber-based threats and hazards. The [National Emergency Communication Plan](#) (NECP) highlights the critical need for public safety organizations to plan for continuity and recovery of critical communications. Despite its importance, the [SAFECOM Nationwide Survey](#) found that less than half of public safety organizations build processes into their plans to ensure continuity of communications during out-of-the ordinary emergencies or disasters.

A webinar hosted by the Cybersecurity and Infrastructure Security Agency highlighted the importance of continuity capabilities in the emergency communications ecosystem and provided participants with best practices for ensuring limited loss of critical communications during incidents. Speakers discussed specific communications elements that should be considered; explained how existing capabilities should be updated or upgraded to ensure continuity based on lessons learned; and provided real-world experiences on how jurisdictions have adapted to mitigate mission impacts from communications vulnerabilities.

Continuity capabilities-building principles, practices, and resources are available at the FEMA [National Continuity Resource Toolkit](#) and other sites. It's important to periodically review and update or upgrade capabilities and leverage the NECP to understand and build emergency communications resilience. [Get additional information on the webinar series](#).--*Cyber Security and Infrastructure Security Agency (CISA), US Department of Homeland Security*

Operating Tips: Simplex and Programming Channels

Many opine that simplex is the ultimate mode of communication during a major emergency. Bob Pickering, KB4RSY, communications tech for the large EOC in Flagler County, Florida, conducted an all-simplex exercise annually. Recently while reprogramming my radios I devised a method to incorporate simplex frequencies to make "retuning to simplex" easy and fast. All of my local repeaters are programmed to the uneven channel numbers and the simplex frequencies to the even channels. One rotational click and I can check a simplex channel for use. - *Lou Mecseri, KE1F, Palm Coast, Florida*

A Case for Not Programming Repeaters into the Memories of your Radios

If you are like me and most other operators, you have programmed your area repeater frequencies into the memory channels of your radios. Recently, when I needed to switch to a new repeater frequency, I could not remember how to enter the PL tone and offset - an aggravating factor may be that I'm almost 70 years old with a slowly eroding memory! I resorted to reading the radio's operating manual. Now, I forego using the memory channels and instead enter the repeater frequency, offset, and PL tone manually each and every time so that I'll have the muscle memory needed to select repeater parameters on the fly in the field. Think about it - it only takes a second to enter the parameters. - *K1CE*

Important Links

ARRL Home: www.arrl.org

Find an ARRL Affiliated Club: www.arrl.org/clubs

Find Your ARRL Section: www.arrl.org/sections

Find a License Class in your area: www.arrl.org/class

Find a License Exam in your area: www.arrl.org/exam

Find a Hamfest or Convention: www.arrl.org/hamfests

Email ARRL Clubs: clubs@arrl.org

ARES Resources

- [Download the ARES Manual \[PDF\]](#)
- [ARES Field Resources Manual \[PDF\]](#)
- [ARES Standardized Training Plan Task Book \[Fillable PDF\]](#)
- [ARES Standardized Training Plan Task Book \[Word\]](#)
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How to Get Involved in ARES: Fill out the [ARES Registration form](#) and submit it to your local Emergency Coordinator.

Register to Log in to ARRL.ORG (Web site was been updated)

Follow these steps to sign in and access ARRL features and services: Go to arrrl.org and click "Login" which will redirect you to "Register" (please note, even if you have an ARRL account you will need to register).

This will log you in to arrrl.org, which now allows you to renew, donate, and shop all in one transaction.

If you need help, we're here for you. Call us Monday - Thursday from 8 am - 7 pm (ET) and on Friday from 8 am - 5 pm (ET) or e-mail us at membership@arrrl.org.



ARRL on the Purpose of Amateur Radio



For over 100 years amateur radio and ARRL — the National Association for Amateur Radio® — have stood for the development of the science and art of communications, public service, and the enhancement of international goodwill. Amateur Radio's long history and service to the public has solidified the well-earned reputation that "Amateur Radio saves lives."

Amateur Radio Operators, due to their history of public service, their training, and the requirement that they be licensed by the FCC have earned their status as a component of critical communications infrastructure and as a reliable resource "when all else fails."

Amateur Radio is about development of communications and responsible public service. Its misuse is inconsistent with its history of service and its statutory charter. ARRL does not support its misuse for purposes inconsistent with these values and purposes.

ARRL Learning Network Webinars

Visit the [ARRL Learning Network](#) (a members-only benefit) to register, check on upcoming webinars, and to view previously recorded sessions.

More webinars are coming soon!

ARRL members may register for upcoming presentations and view previously recorded [Learning Network](#) webinars. ARRL-affiliated radio clubs may also use the recordings as presentations for club meetings, mentoring new and current hams, and discussing amateur radio topics.

The ARRL Learning Network schedule is subject to change.

ARRL Podcasts Schedule

On the Air podcast: (Episode 31) provides an overview of the 222 MHz frequency band.

(Episode 32) addresses the topic of scanning, with specific discussions about memory scanning, CTCSS tone scanning, priority watch, and more.

Of the ARRL [Eclectic Tech](#) podcast: (Episode 65) features a discussion about lightning protection with Ron Block, NR2B.

(Episode 66) features Steve Ford, WB8IMY, discussing VA-RAC, a new conversational HF digital mode that is gaining popularity, an innovative antenna design that will be traveling on a NASA mission to Europa, and

new research exploring the possibility of beaming electric power down to Earth from orbit.

(Episode 67) will feature a discussion of power generation using graphene, synchronizing clocks with cosmic rays, multifrequency "vascular" antennas, and listening to Very Low Frequency atmospheric signals as part of NASA's "Inspire" project.

The *On the Air* and *Eclectic Tech* podcasts are sponsored by Icom. Both podcasts are available on iTunes (iOS) and Stitcher (Android) as well as on Blubrry - [On the Air](#) | [Eclectic Tech](#)

Amateur Radio in the News

["Local Amateur Radio Clubs Achieve Their Best Results in North American Field Day"](#) / Port Williams News (Canada), July 19, 2022 -- *Thanks to the Kings County and Annapolis Valley Amateur Radio Clubs.*

["HARA donates radio history"](#) / The Times-Gazette (Ohio) July 20, 2022 -- *The Highland Amateur Radio Association is an ARRL Affiliated Club.*

["Kids in Bangor reach for the stars by speaking to astronaut"](#) / WLBZ (Maine) July 28, 2022 -- *Thanks to the Challenger Learning Center of Maine.*

["Challenger Maine campers speak with NASA Astronaut aboard ISS"](#) / WABI (Maine) July

28. 2002 -- *Thanks to the Challenger Learning Center of Maine.*

["Local radio club prepares for Ham Fest"](#) / The Brandon Sun (Canada), July 25, 2022. -- *Thanks to the Brandon Amateur Radio Club.*

["Tripura To Set-Up Nearly 9 Ham Radio-Stations; Enabling Locals To Communicate During Emergencies"](#) / Northeast Today (India), August 5, 2022.

["Harrison County Amateur Radio Emergency Service participates in simulated disaster drills"](#) / WLOX (Mississippi), August 6, 2022.

["Hamfest celebrates amateur radio operators"](#) / The Herald-Dispatch (West Virginia), August 8, 2022. -- *Tri-State Amateur Radio Association, W8VA, is an ARRL Affiliated Club.*

["Broadstairs eight-year-old to feature on NASA website after radio chat with ISS astronaut"](#) / The Isle of Thanet News (United Kingdom), August 10, 2022. -- *Thanks to Amateur Radio on the International Space Station (ARISS), and the Hilderstone Radio Society, G0HRS.*

["Students at Kopernik Speak to Astronaut Aboard ISS"](#) / FOX 40 WICZ TV (New York), August 10, 2022. -- *Thanks to Amateur Radio on the International Space Station (ARISS), the Kopernik Observatory & Science Center, and the Binghamton Amateur Radio Association, an ARRL Affiliated Club.*

["Amateur radio Hamfest set for Saturday"](#) / The Journal-Courier (Illinois), August 11, 2022. -- *Sangamon Valley Radio Club is an ARRL Affiliated Club.*

["Everybody's talking: Maui ham radio operators join worldwide communications exercise"](#) / The Maui News (Hawaii), August 15, 2022. -- *The Maui Amateur Radio Club is an ARRL Affiliated Club.*

["International Space Station: Girl, 8, chats to astronaut on amateur radio."](#) / BBC (United King-

dom), August 17, 2022. -- *Thanks to Amateur Radio on the International Space Station (ARISS), and the Hilderstone Radio Society, G0HRS.*

["State, county honor local amateur radio operators"](#) / WYSH/WQLA Radio (Tennessee), August 17, 2022. -- *Thanks to the Tennessee Amateur Radio Emergency Service (TNARES).*

["It's very rare for Canada: Cambridge Amateur Radio Club makes contact with ISS."](#) / CTV (Canada) August 21, 2022. -- *The Cambridge Amateur Radio Club.*

["Field day helps Amateur Radio Club keep in touch with the world."](#) / Crossville Chronicle (TN) August 21, 2022. -- *The Cumberland Plateau Amateur Radio Club is an ARRL Affiliated Club.*

["Amateur radio enthusiasts to gather for annual festival."](#) / The Shelby Star (North Carolina) August 22, 2022. -- *The Shelby Amateur Radio Club is an ARRL Affiliated Club.*

Announcements

Hurricane Watch has not been activated but as the situation changes activation notices will be sent via the private email listing, as well as posted on their website at www.hwn.org. As a reminder, when activated, the hurricane net will be on 14.325 MHz (USB) by day and 7.268 MHz (LSB) by night. When propagation dictates, both frequencies will be used simultaneously.

FEMA's Emergency Management Institute (EMI) will offer the [K0428 CERT Train-the-Trainer course](#) online. This course prepares participants to deliver FEMA's CERT Basic Training course. For additional information, [contact](#) Jamie "Betsy" Mauk, EMI Course Manager. Refer to the [EMI website](#) for course date availability.

The [Danish DX Group \(DDXG\)](#) will celebrate its 50th year with special event station [OZ50DDXG](#), on the air until December 31, 2022.

Ukraine Maintains Ham Radio Silence in State of Emergency

Radio amateurs in Ukraine appear to be diligently maintaining radio silence as the state of emergency declared there just prior to the Russian military invasion remains in effect. A February 24 decree from President Volodymyr Zelensky included "a ban on the operation amateur radio transmitters for personal and collective use."

FCC Legacy CORES System to be Retired

The Federal Communications Commission (FCC) will retire the [Legacy version](#) of its Commission REgistration System (CORES) on July 15, 2022. CORES is the FCC's public-facing database that enables and tracks certain types of FCC and FCC applicant actions, including amateur radio applications and licenses. Its implementation has enabled routine amateur applications and licenses to be issued overnight instead of over weeks, as was the case with earlier methods. ARRL The National Association for Amateur Radio® advises the amateur radio community to transition to the [updated version of CORES](#) as soon as possible.

In essence, CORES is designed to identify those who hold certain types of FCC licenses and FCC authorizations, including amateur licenses, and organize them in an easily accessible manner under a common FCC Registration Number (FRN) regardless of whether one holds a single such authority or thousands. The new CORES, in addition to assigning individual FRNs, allows holders of multiple FRNs to aggregate them under a single account where the licenses and authorization, fees and payments, and related actions can be administered from within the same account.

In effect, new CORES can be conceptualized as an electronic interactive file folder. The [updated version of CORES](#) has been available

since 2016, and now its use will be mandatory for all amateur licensees when submitting amateur-related applications.

Starting on July 15, 2022, the Legacy CORES website will re-direct users to the [Commission's updated CORES](#) site. Although some functionalities in the old system will continue to work for a short time, the [FCC has urged all users](#) to transition to the updated CORES system to take advantage of its enhanced security and functionality.

Register with the FCC

Licensees that do not already have an FCC CORES Username Account must create one with a unique username (a valid email address) and password. After creating the account, when logged in, users should associate their existing FRN or FRNs with this account. Instructions for doing so are on the [FCC Registration Help](#) page. One's FRN is printed on all current amateur applications and licenses, and will not change. FRNs can also be found by looking up one's call sign in the Commission's ULS (<https://wireless2.fcc.gov/UlsApp/UlsSearch/searchLicense.jsp>) or by using the FCC's [advanced search](#) page.

The FCC has posted [Tutorial Videos](#) to assist with the transition. ARRL VEC Manager Maria Somma, AB1FM, recommends viewing the videos "Getting Started With the New CORES," which explains how to register for a CORES Username Account, and "Associating an FRN to a Username," which instructs Legacy CORES users on how to link one or more existing FRNs to a username. [FCC CORES Registration Instructions](#) can also be found on the ARRL website.

Additional information is available on the [FCC](#) website or by calling the FCC Licensing Support Center at (877) 480-3201, Option 4, and on the FCC's [e-support](#) page.

ARRL and TAPR Digital Communications Conference Returns in September 2022

The 41st ARRL and TAPR Digital Communications Conference (DCC) will be held this September 16 - 18, 2022, in Charlotte, North Carolina. Last year's conference was held virtually due to COVID-19 concerns, but this year's 3-day event will be held at the Hilton Charlotte Airport Hotel.

The DCC is for everyone, beginners and experts alike, with an interest in all forms of digital communication.

The official call for technical papers has been issued and general topic areas include, but are not limited to:

- Software-defined radio (SDR)
 - Digital voice
 - Digital satellite communications
 - Digital signal processing (DSP)
 - HF digital modes
 - Adapting IEEE802.11 systems for amateur radio
 - Global Positioning System (GPS)
 - Automatic Position Reporting System (APRS)
 - Linux in amateur radio
 - AX.25 updates
 - Internet operability with amateur radio networks
 - TCP/IP networking over amateur radio
 - MESH and peer-to-peer wireless networking
- Emergency and homeland defense digital communications in amateur radio

Authors can submit their papers for this year's conference, by email, to ARRL Production Coordinator Maty Weinberg, KB1EIB, at mweinberg@arrl.org. The deadline is September 1, 2022. The conference papers will be published exactly as submitted. The authors will retain all rights and do not need to be present at the conference, and all papers will be distributed to DCC attendees. Printed copies will be available for sale at Lulu www.lulu.com.

More information about [TAPR - Tomorrow's Ham Radio Technology Today](#) can be found at their website.

subscription to a premium bundle supports real-time data for radio amateurs including live propagation information, AMSAT satellite tracking, and Maximum Usable Frequency overlays.

Call for Papers for the 40th AMSAT Space Symposium

The first call for proposals for symposium presentations are invited for the 40th Annual AMSAT Space Symposium and General Meeting, which will held on October 21 - 22, 2022, in Bloomington, Minnesota.

Presentations can cover any topic of interest to the amateur satellite community. AMSAT is requesting a tentative title for each submission, which should be sent as soon as possible. A final copy must be submitted by October 14, 2022, to be included in the proceedings. Abstracts and papers should be sent to Dan Schultz, N8FGV, at n8fgv@amsat.org.

According to the July 17 AMSAT News Service Weekly Bulletins, the annual AMSAT Space Symposium will feature:

- Space symposium with amateur satellite presentations
- Operating techniques, news, and plans from the amateur satellite world

- Board of Directors meeting open to AMSAT members
- Opportunities to meet Board members and officers
- AMSAT Annual General Membership Meeting

Auction, annual banquet, keynote speaker, and door prizes

More information about the 2022 AMSAT Symposium will be posted on the [AMSAT website](#) as it becomes available.

Registration Open for NASA's 2022 International Space Apps Challenge

Billed as the world's largest annual "hack-a-thon," the theme for this year's NASA International Space Apps Challenge is "Make Space," celebrating the motto of "there's always space for one more." Space Apps strives to eliminate barriers of access to space and science opportunities.

The challenge will focus on Earth and space science, technology, and exploration. Participant registration for in-person and virtual events is now open through October 2, 2022.

Space Apps provides an opportunity for everyone across the globe to use their passion for creativity, innovation, and unique perspectives, to tackle challenges created by NASA experts. The challenges range in skill level, expertise, subject matter, and objective, and they span a spectrum of disciplines and interests, including artificial intelligence, software development, art, and storytelling.

ARRL and amateur radio share several overlapping interests with NASA's objectives, including amateur satellite communications, Amateur Radio on the International Space Station (ARISS), and STEM (science, technology, engi-

neering, and mathematics) programs that interest young people in both space and radio communications. ARRL encourages radio amateurs to consider participating in NASA's Space Apps Challenge.

Space Apps is managed by NASA's Earth Science Division in the agency's Science Mission Directorate at NASA Headquarters in Washington. It is organized in collaboration with Booz Allen Hamilton, Mindgrub, SecondMuse, and NASA's Open Innovation Applied Sciences Program.

For more information about Space Apps and to register for an in-person or online event on October 1 - 2, 2022, visit, [NASA International Space Apps Challenge](#).

--Thanks to AMSAT, JoAnne Maenpaa, K9JKM, and NASA for information in this story.

The QSO Today Virtual Ham Expo Returns September 17 -18, 2022

The next QSO Today Virtual Ham Expo, a full featured virtual ham radio convention, is September 17 -18, 2022. The online event includes speakers and presentations, fully interactive video lounges where participants can meet each other and chat, and an exhibit hall full of vendors and organizations.

While the Ham Expo was originally created in August 2020 as an alternative to canceled in-person ham radio conventions due to the COVID-19 pandemic, it has evolved into a regularly-held event for amateur radio learning through peer submitted presentations on nearly every amateur radio subject, lively discussion, and interaction.

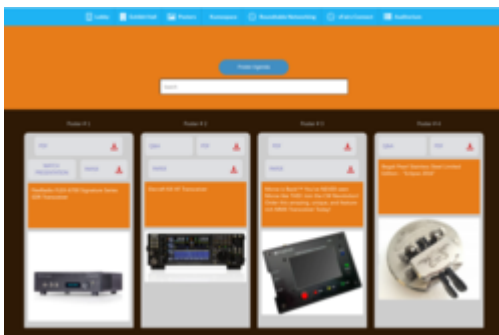
The Expo uses virtual event technology using platforms produced by vFairs and Kumospace. "The Kumospace lounges were a fantastic edition to the Expo last March and were full of hams



The QSO Today Virtual Ham Expo includes Kumospace lounges where participants can interact with each other via live video and audio.

and conversation during the entire Expo weekend", said Eric Guth, 4Z1UG, the founder of the QSO Today Virtual Ham Expo. Kumospace is a video chat platform for hosting and participating in immersive virtual events. Guth said there are new enhancements that will make the lounges even more enjoyable for attendees. Kumospace and vFairs are now supported by apps for Apple and Android. Expo personnel still recommend a fast internet connection and big screens for the best user experience.

New for this Ham Expo is a Poster Gallery Hall that includes a product showcase and interactive projects submitted by ama-



A new feature of the Expo is a Poster Gallery Hall which will include a product showcase and interactive projects from radio amateurs.

teurs. The product showcase is as a way for vendors who may or may not have a booth to demonstrate individual products through videos,

white papers, and slides. Each showcase is fully interactive through text chat and supports opportunities for vendors to follow-up with interested visitors. The Poster Gallery will also include an opportunity for individuals to submit papers, projects, and articles to be enjoyed by Expo delegates. Accepted gallery submission will include a free ticket to the expo.

Sponsor and exhibitor opportunities are still available. The \$10 ticket for the Expo will go on sale in August. Anyone can attend the Expo from anywhere in the world, over the internet. For more information go to qsotodayhamexpo.com. ARRL The National Association for Amateur Radio® is a QSO Today Virtual Ham Expo Partner.

QST Now Offering a Column for Radio Clubs

ARRL invites you to be part of "Club Station," the newest column in QST. This column is a space for radio clubs to share the different ways in which they're successful to help other clubs grow. They do this by offering advice, and practical solutions to common experiences and problems.

In each issue, a different club will share how they undertook a specific activity or project, how and why it was successful, and any challenges they may have had to overcome throughout the process. Some

examples include, but aren't limited to, successful community club projects, innovative ways to attract new members, getting youth involved with ham radio, and developing active hams.



"Clubs are the backbone of the amateur radio community," said ARRL Field

Services Manager Mike Walters, W8ZY. "If your club is doing something that will inspire other clubs, we want to hear from you!"

"In order to help you tell your story, ARRL has published author guidelines that are geared toward 'Club Station,' and they include a club profile form," said QST Editor Leanna Figlewski, KC1RMP. Both of these documents can be found at www.arrl.org/qst-club-station-guidelines-and-profile-form. "You don't have to have writing experience to be published in QST. If your submission is accepted, our editorial staff will work with you to get your story ready for publication."

All clubs are welcome to participate. The first iteration of "Club Station" appeared in the August 2022 issue of QST (www.arrl.org/qst) and includes more information about what members can expect to see from the column.

The York County Amateur Radio Society (YCARS) in South Carolina provides a welcoming environment for members to learn new skills. Here, members are learning how to program a Raspberry Pi. Be sure to read "Club Station" in the September issue of QST to find out more about YCARS and how they rebuilt their

If you have any questions, contact us at clubs@arrl.org. We look forward to hearing from you about your radio club!

New ARRL Radio Lab Inspires Innovation in the Ham Shack

ARRL has unveiled its new Radio Laboratory, W1HQ, in a [video](#) released on August 4, 2022. In the video, Jherica Goodgame, KI5HTA, a summer intern at ARRL Headquarters, tours viewers through the station.

"The ARRL Radio Lab is an innovative test space designed to reshape the way we imagine and build a ham radio shack," said Goodgame. The station is intended to inspire members to build, organize, and equip their own stations in innovative ways. "From a decluttered workspace and a digital user interface, to being able to remote into the equipment from anywhere, W1HQ is a step towards the future of amateur radio stations," Goodgame added.

The station includes a new tower and antennas atop the main administrative building at ARRL Headquarters in Newington, Connecticut. Inside the station, three operating positions provide an interface to rack-mounted and computer-controlled transceivers, amplifiers, antenna switches, and rotators.

Goodgame explained that the Radio Lab will also support equipment testing and QST Product Review. "An extension of product reviews in the future will be to take that piece of gear that we're testing, put it on this test bench, and see how it integrates with a station that's already under full automation and control," she said.

The video is published on ARRL's YouTube channel at <https://youtu.be/68BJxGHg74Y>.

Sangamon Valley Radio Club to Sponsor Radio Orienteering Activities

Amateur Radio Digital Communications (ARDC) has awarded a grant to the Sangamon Valley Radio Club (SVRC) in Springfield, Illinois for a new project to introduce youth, outdoor enthusi-

asts, and members of the public to amateur radio.

The grant is for Radio Orienteering activities, also known as Amateur Radio Direction Finding (ARDF). SVRC will purchase transmitters, controllers, receivers, maps, and other items needed to conduct successful Radio Orienteering events. In addition, there will be several events for SVRC members and local youth groups such as Boy Scouts of America and Civil Air Patrol. The events will allow participants to learn the technical and outdoor skills needed to succeed in Radio Orienteering.

Radio Orienteering is an international sport. Participants use handheld directional radio receivers, compasses, maps, and radio-direction finding skills to search for transmitters operating in the 2-meter and 80-meter bands. They use their athletic, orienteering, and technical skills, attempting to locate low-power transmitters and get to the finish line first.

The [ARRL ARDF Committee](#) explains that in "this sport there are no vehicles, traffic jams, or exhaust fumes. Radio Orienteering (aka, Amateur Radio Direction Finding, or ARDF) brings radios into the great outdoors with maps and compasses, providing a uniquely enjoyable way to learn new radio skills.... It involves constructing direction-finding equipment, training amateurs in the rules of the sport, and organizing events in the USA" and other countries.

The 20th IARU World Championships in Amateur Radio Direction Finding will be held in Borovets, Bulgaria, August 28 - September 3, 2022. The 22nd USA Radio Orienteering Championships will be held April 19 - 23, 2023, near Dallas, Texas.

The Sangamon Valley Radio Club plans to share their experiences and equipment requirements to help other amateur radio clubs who may be considering similar events and programs.

More information about the [Sangamon Valley](#)

[Radio Club](#) can be found at their website.

[ARDC](#) is a California-based foundation with roots in amateur radio and the technology of internet communication.

Hams Radio Operators Support American Red Cross in Kentucky Flood Response

As the flood waters began to recede following devastating rainfall in Kentucky that began on July 26, the American Red Cross reported that over 400 of their disaster workers were on the ground, as well as dozens more in other locations. They provided shelter, meals, and other forms of support. Red Cross teams also worked alongside their state and municipal partners among others, including Kentucky Amateur Radio Emergency Service® ([ARES®](#)) volunteers.

[ARRL](#) Director of Emergency Management Josh Johnston, KE5MHV, was in touch with American Red Cross personnel in the affected area. He said ham radio volunteers were supporting Red Cross damage assessment teams with radio communications. "The rural and mountainous terrain of the affected area adds to the already difficult situation," said Johnston.

Much of the local response effort is being coordinated by Steve Morgan, W4NHO, of Owensboro, Kentucky. The response of radio amateurs throughout the region is under and in cooperation with an existing Memorandum of Understanding (MOU) with the Kentucky Chapter of the American Red Cross.

ARES® groups from Ohio and Virginia have also been in touch with hams in the affected areas and have been on standby, ready to respond if needed.

Young Amateurs Radio Club to Host Inaugural Special Event

The Young Amateurs Radio Club (YARC) will host their first annual youth-organized special event from September 1 - 15, 2022. Using their call sign, WY4RC, the event is known as

"Worked All YARC Zones (WAYZ)." Operators will be activating WY4RC stations from all 10 US call zones. Different awards are available for youth operators who activate a station, and for those who contact at least six WY4RC stations.

Any young amateur or club interested in operating during the event can find the rules and additional information at the [Young Amateurs Radio Club](#) website.

YARC, founded in 2017, is an international amateur radio club with a focus on promoting adoption and innovation in amateur radio among young people. In 2018 the club was officially recognized by the FCC as an official amateur radio club under the call sign WY4RC.

YARC has over 1,000 members on their Discord server as of 2022, and has been changing its structure to bring back community events and increase engagement.

ARRL New England Division Helps FEMA Test Message Distribution

The ARRL New England Division recently helped the Massachusetts Task Force 1 (MA-TF1) FEMA Urban Search & Rescue (FEMA US&R) team test message distribution in the event of a total communications failure.

Using the National Traffic System (NTS), nearly 250 radiograms were routed through the system. Charles Rocheleau, W1CPR, a FEMA Communications Specialist for the MA-TF1, said the alerts were the real thing. "The alerts I sent out were real-world alerts as the task force, MA-TF1 FEMA US&R, was on standby for a deployment to Kentucky," he said. "Steve Hansen, KB1TCE, runs a digital hub in Owls Head, Maine, and was my go-to person for injecting these messages quickly into the [NTS]."

Marcia Forde, KW1U, an active traffic handler in the NTS since 1981, said she received an alert that 40 messages were being sent from W1CPR. "I alerted key Maine traffic handlers to

be ready, and these folks did a fantastic job of getting them out," she stated. "All 40 messages were handled in one day."

Phil Temples, K9HI, Vice Director of the ARRL New England Division, said the NTS and all amateur radio operators involved did a great job passing the messages.

Hi-Z Antenna's full line of HF directive receiving array products will now be designed and manufactured by DX Engineering. Hi-Z's CEO, Founder, and Chief Engineer Lee Strahan, K7TJR, said, "The time has come for me to pass along Hi-Z Antennas' technology to DX Engineering. It is my wish that they will usher in a new pinnacle of performance as they carry forward Hi-Z's latest designs and ideas. It is great to know that Hi-Z will be in such capable hands." Strahan became interested in low-band operating more than two decades ago, after reaching Japan on 160 meters while contesting. He began building array systems for personal use, but after publishing one of his designs on the internet, he drew the attention of like-minded hams. Since then, Hi-Z's singular focus has been producing and refining receiving systems that deliver reduced noise, superb weak-signal HF reception, and reliable performance, especially for 160 and 80 meters and AM DXing. DX Engineering has been the exclusive dealer of Hi-Z equipment since 2013.

Amateur radio provided communications for the Ironman Lake Placid triathlon on Sunday, July 24, 2022. The Champlain Valley Amateur Radio Club (CVARC) provided 29 licensed operators with communications for 11 ambulances, five bike aid stations, four support and gear (SAG) vehicles, two medical tent stations, and two net control stations. All radio operators volunteered their time and many worked 16 hours or more, for a combined 385 hours. They were honored with an award for Special Recognition for a Volunteer Team. -- *Thanks to Mark Varin, KD2RJP, President of CVARC, an ARRL Affiliated Club.*

MFJ to Celebrate 50th Anniversary

[MFJ Enterprises](#), an amateur radio electronics manufacturer and retailer, will celebrate 50 years in business this October. Martin Jue, K5FLU, founded the company in 1972 after building a CW filter kit that sold for less than \$10. Since 1990 the company has made five acquisitions, including Hy-Gain and Cushcraft antennas.

MFJ Customer Services and Public Relations Manager Richard Stubbs says the company continues to grow with the popularity of amateur radio and currently manufactures over 2,000 products. "I've been with the company for 28 years and the numbers are good," said Stubbs. "Amateur radio continues to grow worldwide."

Quite a few of MFJ's employees have worked there for years, such as MFJ Product Representative Phyllis Randle, who will be retiring in September after 45 years with the company. She started working there when she was a teenager in 1977, and she is now the Product Representative for all MFJ dealers.

Jue graduated from Mississippi State University with a bachelor's degree in electrical engineering, and he earned a master's degree in electrical engineering at Georgia Institute of Technology (Georgia Tech). He served as a professor of electrical engineering at Mississippi State University from 1972 until 1979, but abandoned his doctorate in 1977 because of MFJ's growth.

Currently, because of COVID-19 concerns, the company does not have any plans for a special event to celebrate the anniversary, although Stubbs said that may change in the months ahead.

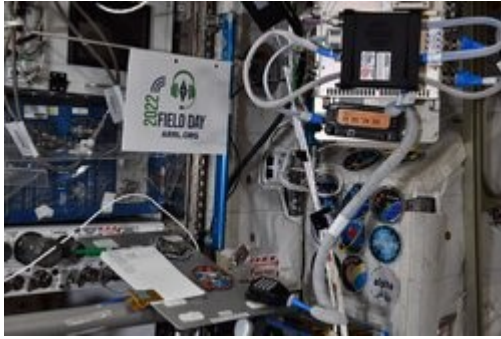
Amateur Radio Digital Communications (ARDC) has awarded two separate grants to help educate students about amateur radio. The first is a grant for the Hampton University

School of Engineering and Technology. Hampton will introduce its students in the fields of science, technology, engineering, and mathematics (STEM) to amateur radio and engage them through activities that provide unique hands-on, experience-building opportunities. Additionally, the grant will fund hour-long educational programs highlighting scholars studying STEM topics that will be aired on the university's FM radio station, WHOV. Hampton University seeks to ensure that African Americans have access to educational opportunities in engineering and technology and, informs the community of significant contributions made to the profession by African Americans and all ethnic minorities. The second grant was awarded to the National Radio Astronomy Observatory (NRAO) program, "Exploring the Electromagnetic Spectrum (and Why Ham Radio Matters)". This grant will be used to focus on broadening the excitement of amateur radio among BIPOC and LGBTQIA+ students. NRAO Director Tony Beasley noted, "Amateur radio continues to be incredibly important to the nation and global communications, and NRAO is excited to be working with ARDC to bring a new generation and diverse communities to the field." [ARDC](#) is a California-based foundation with roots in amateur radio and the technology of internet communication.

International Space Station Upgrades Amateur Radio Operations

ARISS, Amateur Radio on the International Space Station, announced that simultaneous operations of the ARISS voice repeater and digital APRS (Automatic Packet Reporting System) communications on the Space Station are now a reality.

Current ARISS operations include voice repeater transmissions with the JVC Kenwood TM-D710GA in the Columbus module and APRS operation from an identical radio in the Zvezda module. Packet operations are on 145.825 MHz.



NASA Astronaut Kjell Lindgren, KO5MOS, tweeted this photo of the ham radio station in the Columbus module, just before ARRL Field Day in June. <https://tinyurl.com/2p9cr53f>

The Columbus module radio uses the call sign NA1SS and the new radio in Zvezda uses RS0ISS. Aside from the call signs, the radios are identical, and packet operations are the same as before. You can use RS0ISS, ARISS, or APRSAT as the packet path. Both radios are expected to be running full time, except during educational contacts, extra vehicular activities (EVAs), and docking maneuvers. Final checkouts and equipment activation occurred on August 11.

ARRIS International Chair Frank Bauer, KA3HDO, said, "Simultaneous operation of APRS and the voice repeater on ISS is transformative for ARISS. It represents a key element of our ARISS 2.0 initiative, providing interactive capabilities 24/7 that inspire, engage, and educate youth and lifelong learners -- especially lifelong learning in ham radio operations. Our heartfelt thanks to Sergey Samburov, RV3DR, for making this crucial ARISS 2.0 initiative become a reality."

Rosalie White, K1STO, one of two US delegates to ARISS, said the ham radio community will be very happy with the new radio operations from the ISS. "Hams really love doing ARISS packet, cross-band repeater, and Slow-Scan Television (SSTV) operations. Besides the thousands who download ARISS SSTV im-

ages downlinked from the ISS, we discovered that in a year's time, hams did 80,000 ARISS packet messages," she said. "We are not sure how many have been enjoying the ARISS cross band repeater, but we know it is a lot. This simultaneous operation capability is going to make many hams happy -- and we know that keeping hams on the air is good for ARRL and good for amateur radio," White added.

Operational status and expected downtimes of the ISS radios can be found at www.ariss.org/current-status-of-iss-stations.

ARRIS is a cooperative venture of international amateur radio societies and space agencies that support the ISS. In the US, sponsors are the Radio Amateur Satellite Corporation (AMSAT), [ARRL](http://www.arrl.org) The National Association for Amateur Radio®, and NASA's Space Communications and Navigation (SCaN) program. The primary goal of ARISS is to promote exploration of science, technology, engineering, arts, and mathematics topics. ARISS does this by organizing scheduled contacts via amateur radio between crew members aboard the ISS and students. Before and during these radio contacts, students, educators, parents, and communities take part in hands-on learning activities tied to space, space technologies, and amateur radio. For more information, see www.ariss.org and www.arrl.org/amateur-radio-on-the-international-space-station.

Masonic Lodges on the Air Event to Take Place on September 24

Masonic Lodges on the Air (MLotA), an amateur radio special event, will be on the air Saturday, September 24, 2022, from locations across the county. The event is open to all amateur radio operators, and the idea for the event grew out of the realization that many Freemasons also have a love for amateur radio.

The Fulton County Amateur Radio Club (FCARC) and the Fulton Lodge #248 in Ohio first hosted the event in 2021. Because of its success, the event has now been scheduled for the next 3 years.

The event will be operating K8BXQ from 10:00 AM - 6:00 PM ET, using SSB only on 80, 40, 20, 15, and 10 meters. Please honor all band plans. All contacts must be in the phone portion of the bands. Stations may be contacted once on each band.

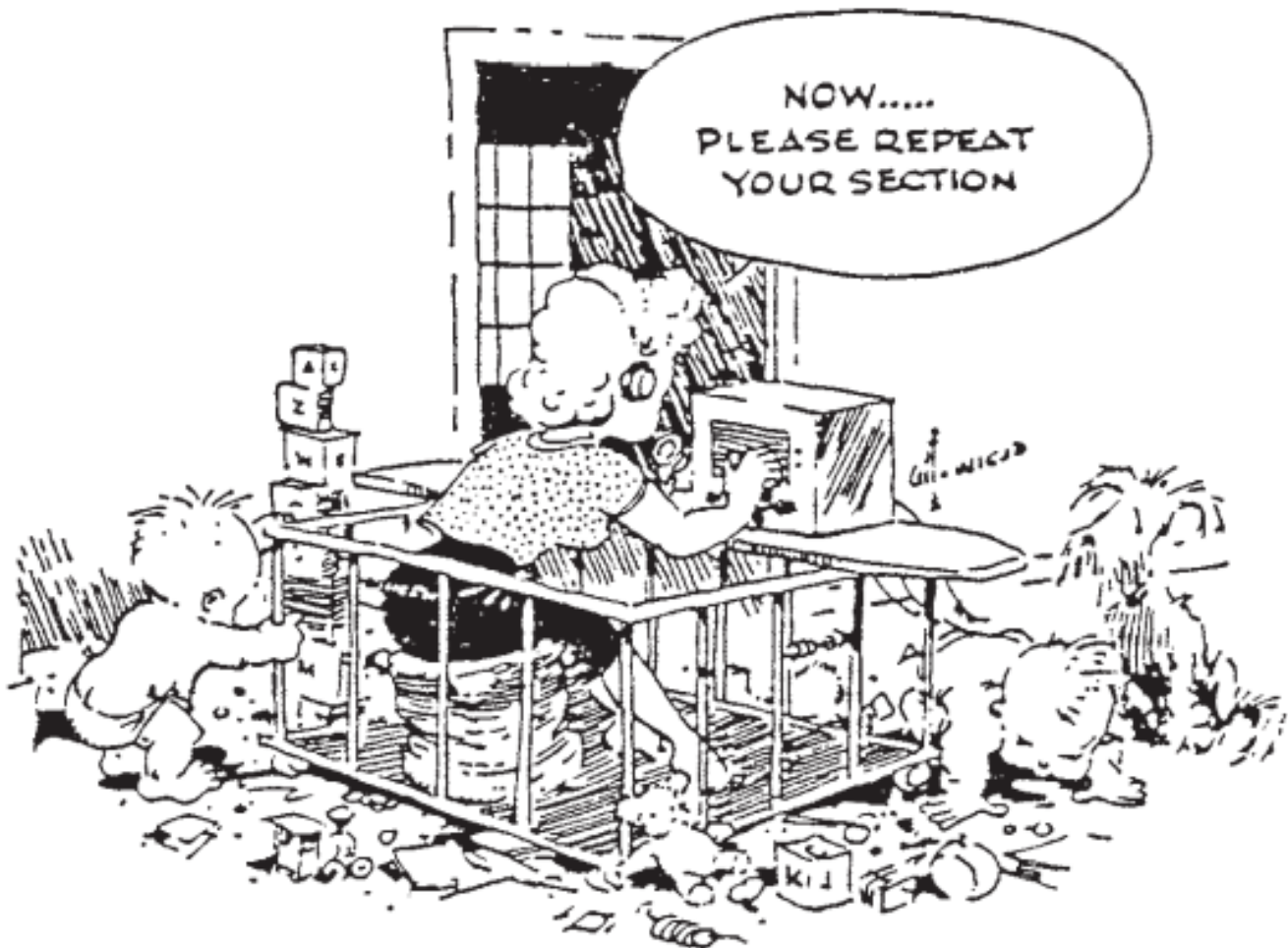
Full contest rules and information can be found at cgmorelight.com/rules.

Bob Holstrom, KD2BKD, said that masons in New York and New Jersey will be setting up stations at the historic museum grounds of The DeWint House, George Washington's Headquarters in Tappan, New York. The property is owned and operated by the Grand Lodge of Free and Accepted Masons of the State of New York. The special event call sign for that location will be W2QX, operating from 9:00 AM - 7:00 PM ET.

"Everyone is welcome to visit the historic DeWint house," said Holstrom. "The home has been restored and admission is free."

More information about Masonic Lodges on the Air can be found at their website, cgmorelight.com.

Visit the ARRL Special Event Stations database to find other on the air events and commemorations at www.arrl.org/special-event-stations.



More Announcements

W1AW, the Hiram Percy Maxim Memorial Station located at ARRL Headquarters in Newington, Connecticut, is fulfilling QSL card requests with a commemorative card celebrating the Amateur Radio Transatlantic Communications Centennial. The special card will be issued for all W1AW QSL card requests for contacts made with the station from December 11, 2021, to December 31, 2022. The historic transatlantic tests of 100 years ago contributed to the dawn of international amateur radio communications. US amateurs contacting [W1AW](#) who would like a QSL card should send their card directly to the station with a SASE (Self-Addressed Stamped Envelope). International stations may confirm receipt of transmissions directly to W1AW with one IRC or via the W1 Incoming QSL Bureau.

Amateur radio operators are needed for the Marine Corps Marathon on October 30, 2022, in Washington, DC, and Arlington, Virginia. The call is for 150 amateur radio operators to provide "eyes on the course" using the 144 and 420 MHz bands, with FM and Digital Smart Technologies for Amateur Radio (D-STAR), and a Medical Data Network using Amateur Radio Emergency Data Network (AREDN). Amateur radio will also be used as back-up communications in case all else fails. Operators will prepare themselves, supplies, and equipment to function in a large-scale, multi-jurisdictional, mass casualty-type event under real-world conditions. Training will be provided, and each operator will receive a commemorative T-shirt. Amateurs can sign up by following the link www.mcmham.org. To learn more about the 2022 Marine Corps Marathon, visit their website at [Marine Corps Marathon](#).

The [EAA Warbirds of America](#) Board of Directors will be sponsoring a special event station, W9W, which will be on the air all

week during daylight hours on July 25 - 31 from AirVenture in Oshkosh, Wisconsin.

The station will be located on the Warbirds' grounds near their headquarters, against the backdrop of the display of historic and vintage ex-military aircraft. Look for W9W on 40 - 10 meters near 7.225, 14.250, 21.235, and 28.425 MHz. The station will also operate on the 2-meter and 440 MHz bands, simplex. A special event QSL card will be issued for contacts with W9W. [Icom America](#) will support the event with HF, VHF, and UHF radio equipment. Other sponsors include Heil Sound, Radio Wavz, DX Engineering, and US Tower. If you would like to get on the schedule to operate W9W, please contact [Ray Novak, N9JA](#). See the ARRL [Special Events](#) database for further details.

Members of the Fox Cities Amateur Radio Club ([FCARC](#)) will be operating station W9ZL from Pioneer Airport at KidVenture throughout EAA AirVenture in Oshkosh, Wisconsin. Club members and other volunteers will operate HF stations on 20 and 40 meters, 6-meter SSB (on, or near, 7.250, 14.270, and 50.150 MHz), plus local communications on 2 meters. A special event certificate will be available. See the ARRL [Special Events](#) database for further details.

Brief...

On the weekend of September 10 - 11, 2022, the Sommerkamp Facebook Group is inviting all amateur radio operators to participate in the Sommerkamp Memorial Activity. The on-air event is to honor Wolfgang Sommerkamp, DJ2YL (SK), the founder of the Sommerkamp Radio company who passed away in 2021. Activity will be on 80 meters, 40 meters, 20 meters, 15 meters, 11 meters, 10 meters, and 2 meters with frequencies:

- 7.101 MHz

- 14.301 MHz
 - 21.301 MHz
 - 28.301 MHz
- 144.301 MHz

Organizers emphasized this is not a contest and there is nothing to win. The on-air memorial is designed as a "friendly get -together on the airwaves" to share what equipment you use and when you purchased it and, if you are a long-time Sommerkamp radio owner, and how you acquired your radios. More information about the event is available at their [special website](#) or at the [Sommerkamp Facebook page](#).

The Trinidad & Tobago Amateur Radio Society (TTARS) will celebrate Trinidad and Tobago's 60th Anniversary of Independence on August 26 - September 2, 2022. A special event call sign, 9Y60TT, will operate multimode, multiband, and multioperator. Modes will include HF single side band (SSB), CW, Slow Scan TV (SSTV), FT8, JS8, FT4, JT65, 2-meter Earth-moon-Earth (EME), satellite, Automatic Packet Reporting System (APRS) via the International Space Station (ISS), digital voice (DMR, C4FM, D-STAR), EchoLink, and more. QSL is via Logbook of The World (LoTW). For more details on the event, and to obtain a certificate, visit [TTARS](#).

ARRL has introduced the third edition of *Get On the Air with HF Digital*, by Steve Ford, WB8IMY. The book, written in an easy-to-understand style, covers how to set up and operate your own HF digital station. Ford includes details for making contacts using 11 different digital modes, including the PACTOR system, the weak-signal *WSJT-X* modes, *VARA*, and *JS8Call*. Join the millions of amateur radio operators worldwide studying propagation with WSPR, contesting with RTTY, and ragchewing

with *JS8Call*. [Order your copy](#) from ARRL and ARRL publication dealers.

National POW/MIA Recognition Day 2022 will be observed on September 16, and special event station K4MIA will be operating from a restored Bell UH-1H Iroquois helicopter from September 10 - 18. The aircraft was the first generation of utility helicopters used in Vietnam and earned the nickname "Huey." In addition to K4MIA, there will be five other stations in operation on September 16: K4MIA/2, K4MIA/4, K4MIA/5, K4MIA/7, and K4MIA/8. The stations will operate on SSB, CW, FT8, and satellite. K4MIA will be on the air throughout the month using slow-scan television (SSTV) and EME. QSL cards will be available via a self-addressed stamped envelope sent to K4MIA Michael N. Bald, 6758 Hall Blvd., Loxahatchee, Florida 33470. National POW/MIA Recognition Day is observed every year on the third Friday in September. This day honors those who were prisoners of war and those who are still missing in action from all wars and conflicts, but it is most associated with those who were POWs during the Vietnam War. Visit the K4MIA listing on [QRZ](#) for further details, and the ARRL Special Event Stations database to find other on the air events and commemorations at www.arrl.org/special-event-stations.

JOTA-JOTI 2022 (Jamboree-on-the-Air-Jamboree-on-the-Internet), the world's largest amateur radio Scout event, is set for October 14 - 16, 2022. The event connects millions of young people around the world for a full weekend of amateur radio and online activities that promote friendship and global citizenship. Using both the airwaves and the Internet, JOTA-JOTI enables young people and volunteers to participate in fun and engaging group activities focused on developing 21st century skills through Scouting. JOTA is one of World Scouting's longest-running global events, dating back to 1958. JOTA-JOTI aims to support young people of all ages to learn about communications technology, the values of global citizenship, and their role in creating a better world. To register and learn more about JOTA-JOTI, visit their website at www.jotajoti.info.

The Ohio Amateur Radio Emergency Service (ARES®) just completed a dry-run exercise for the Perry Nuclear Power Plant in Lake County, Ohio. ARRL Ohio Section Emergency Coordinator Stan Broadway, N8BHL, said the drill was practice for the federally judged exercise scheduled for September. The Ohio Emergency Operations Center (EOC) amateur station, W8SGT, was utilized and on the air to communicate with several counties in northeast Ohio. Amateur radio serves in the emergency planning as a backup communications resource. The actual exercise is focused more on the power plant and its operation, but the state EOC is involved for the process. "In real life, this was a low-key type of exercise for us. It does not involve a lot of hams or activity, just establishes the line of communication," said Broadway. "It's satisfying to know, through many conversations during the planning stage, that amateur radio is a key ingredient to assure communication with the state." Ohio ARES is also working on a Simulated Emergency Test (SET) drill for October 1, 2022.

There was record attendance at the Huntsville Hamfest, which was held August 20 - 21, 2022, in Alabama. The event hosted the ARRL Southeastern Division Convention. Chairman Mark Brown, N4BCD, reported attendance of 5,420.



(left to right) ARRL members Barbara Shafer, KE5QAT, and Steve Shafer, WA7RC, of Slidell, Louisiana, were among the crowd gathered for the 2022 Huntsville Hamfest.

"The event drew big crowds," said ARRL Director of Public Relations and Innovation Bob Inderbitzen, NQ1R. "I was particularly happy to see so many young hams enjoying convention." A youth lounge, sponsored by FlexRadio, at-

tracted the participation of 175 young hams and young prospective hams. The lounge included a variety of hands-on activities, including a demonstration of remotely accessible radio stations. The demonstration was led by team members from the Remote Ham Radio (RHR) Youth Program: Connor Black, W4IPC; Colin Pokowitz, WW0CJ, and Patrick Gawthrop, W9GGG.

On Saturday afternoon, 18-year-old Audrey McElroy, KM4BUN, was presented with the 2022 Bill Pasternak WA6ITF Memorial Amateur Radio Newline Young Ham of the Year



Abigail Barker, KI5RCX (right) of Conway, Arkansas, was greeted by ARRL President Rick Roderick, K5UR, at the Huntsville Hamfest.

award. Following the award presentation, McElroy said, "I hope that in the future I can continue to bring more youth into amateur radio as well as bring more women into STEM." Also attending the convention was Abigail Barker, KI5RCX, of Conway, Arkansas. Earlier this year, Barker was awarded the Walter Gallinghouse K5DSL Scholarship, administered by the [ARRL Foundation](#).

**BARC Website, some Blog
page Titles**

[How to run a special-event
station](#)

[JOTA at Greeville, NC](#) with
BARC.

[VOA Site "C" Project](#) (Blog)

[Morserino 32 adventure](#)

[What to do when you see a
need... – Brightleaf Ama-
teur Radio Club
\(w4amc.com\)](#)

[CQ WW VHF Contest –
Brightleaf Amateur Radio
Club \(w4amc.com\)](#)

[Antenna Fun! – Brightleaf
Amateur Radio Club
\(w4amc.com\)](#)

[Field Day Report 6/27/2021
– Brightleaf Amateur Radio
Club \(w4amc.com\)](#)

Even more than this on the
website.

Feel free to view, comment and
add.

****Renew/Join Now****
Help Support BARC.

***** Membership Dues*****

Membership dues for BARC are due **January 1** every year. Membership dues are as follows and are almost the same as 2020: • Regular Member \$20.00 • Family Member \$2.00 • Associate Member (Non-Licensed) \$5.00 • Life Members \$0.00 • New Hams: Free first calendar year (Jan. to Dec.)

We are requesting that you send the application form in, so that we can have your correct information on file. The form can be downloaded at:

<https://n4pvh.files.wordpress.com/2020/11/application-for-membership.pdf>

Please give the application and dues to the Treasurer at the meeting or mail your dues, along with the member application form to:

Brightleaf Amateur Radio Club, P.O. Box 8387, Greenville, NC 27835

Or go to <https://w4amc.com/membership/> to use PayPal at the page bottom.

If there are any questions concerning membership status or dues, please contact Treasurer@w4amc.com.

Thank you for your continued support and participation in BARC.

HURRICANE AND EMERGENCY INFORMATION RESOURCES

National Hurricane Center
<https://www.nhc.noaa.gov/>

Tropical Tidbits (current forecast models)
<https://www.tropicaltidbits.com/>

Active Red Cross Shelters
maps.redcross.org/website/maps/ARC_Shelters.html

Red Cross Safe and Well
www.redcross.org/get-help/disaster-relief-and-recovery-services/contact-and-locate-loved-ones.html

Facebook Safety Check
www.facebook.com/about/safetycheck

Hurricane Watch Net
hwn.org

VOIP Hurricane Net
voipwx.net

Amateur Radio at the National Hurricane Center
www.WX4NHC.org

FEMA - Federal Emergency Management Agency
www.fema.gov

Ready.gov - Plan ahead for disasters
www.ready.gov

Hurricane Central - The Weather Channel
<https://weather.com/storms/hurricane>

Nets to Know

[Caribbean Emergency Weather Net](#) - Meets daily at 1030Z and 2230Z on 3815 kHz.

[Hurricane Watch Net](#) -- 14.325 MHz, 7.268 MHz -- Activated whenever a hurricane is within 300 nautical miles of expected landfall. Dis-

seminates storm information and relays meteorological data to National Hurricane Center via embedded NHC station WX4NHC. Also relays post-storm damage reports and other relevant information.

[Intercontinental Net](#) operates from 7 AM to noon US Eastern Time on 14.300 MHz, providing a means of emergency communications to any location where normal communications are disrupted.

[Marine Maritime Services Net](#) -- 14.300 MHz -
- The network acts as a weather beacon for ships during periods of severe weather and regularly repeats high seas and tropical weather warnings and bulletins from the National Weather Service and the National Hurricane Center.

[Salvation Army Team Emergency Radio Network](#) (SATERN) -- 14.260 MHz -- The purpose of the SATERN net is to support the Salvation Army operations in local, regional and international disaster situations. - *ARRL US Virgin Islands Section News*

WinLink Nets and Practice

Great Lakes Area Winlink Net Started

A new Great Lakes Winlink Net has been started to promote the use of Winlink and training on the various facets of the hybrid amateur radio data/internet system. The net is open primarily to those states that border any of the Great Lakes: Minnesota, Wisconsin, Illinois, Indiana, Michigan, Ohio, Pennsylvania, and New York, and the Canadian province of Ontario. However, radio amateurs wishing to check in from other states or provinces anywhere are welcomed to participate. This net is modeled on the [Wisconsin ARES Winlink net](#).

The net check-in process is as follows: Send either a basic, plain text message, or use any of the forms templates on the Winlink Express platform available that will allow you to include the following line of text in the body of the message or in an appropriate part on the form you choose to send: FIRST NAME, CALLSIGN, CITY, COUNTY, STATE, COUNTRY. For example: RYAN, KB8RCR, REMUS, MECOSTA, MICHIGAN, USA.

The net is on each Wednesday, amateurs may send their messages or forms any time during the day using Winlink in any mode available, RF or via Telnet. Send your message to KB8RCR as the recipient on Winlink. - *Ryan Lughermo, KB8RCR, ARRL Assistant Section Emergency Coordinator for Data Management/Special Pro-*

jects, Michigan Section; and Official Relay Station From ARES March 2021 Newsletter (Editors Note: Great way to learn and practice)

The EmComm Training Organization (ETO) will continue the popular Winlink Thursday exercises to foster Winlink-knowledgeable operators across the country. Procedures will include a weekly exercise for routine practice with a fourth Thursday exercise of a more challenging nature. Exercises will almost always include a Winlink Express Check-in form. Please [send questions about Winlink Thursdays](#). Questions about the ETO group can be sent [here](#).

The Canadian American Net ([CANAM](#)) aims to unite hams in the Eastern US and Canada. Some 40 amateurs from Canada and the US typically check in for each session, and the net accommodates CW and SSB. The Canadian-American Net operates 7 days a week on 7.153 MHz, with check-in starting at 1300 UTC.

Recommend: Programming your local Emergency Simplex frequency's into your Radio's. It's easier now than when you need them. Brightleaf Amateur Radio Club uses the Repeater frequency in case of Repeater failure.

National Hurricane Center

[Voice over Internet Protocol \(VoIP\) Hurricane Net](#), Nets: 14.325MHz, 7.268MHz

NETS

VHF/UHF

- ◆**BARC Net**, Mondays, 2000 on 147.09 MHz, W4GDF Repeater.
- ◆**Down East Hospital Net**, 2nd Tuesday of each month at noon Greenville 444.725 MHz, 91.5 tone N4HAJ, Traffic Net 2030 local Fountain 444.425 MHz, 88.5 Tone N4HAJ
- ◆Newport-145.450..... IRLP 8561 links to Columbia
- ◆Jacksonville-147.000- 88.5 tone
- ◆Oriental-147.210-151.4 tone
- ◆444 Newport-444.825- 88.5 tone
- ◆Swansboro-146.760- 88.5 tone
- ◆Grantsboro-145 230 - 85.4 tone.
- ◆Kinston Amateur Radio Society Net, 1,3,4 Tuesdays, 2000 hrs. on 145.47 MHz., W4OIX repeater in Kinston.
- ◆Eastern North Carolina Traffic Net, Every night, 2030 on 444.725-91.5 tone.
- ◆Wilson Amateur Radio Club Net, Thursdays @ 2000 on 146.76 MHz.
- ◆ Piedmont Coastal Traffic Net, Nightly 2030 on 444.725MHz, 91.5 tone
- ◆Carteret County ARS (CCARS) Emergency Net, Tuesdays, 1930 on the Newport 145.45 (-) MHz, tone 100
- ◆Coastal Emergency Linking Net, Wednesday, 2100 ET on Ahoskie 145.13, Buxton 145.15, Columbia 146.835 & 443.30, Elizabeth City 146.655, Greenville, 145.35, Hertford 147.33, Williamston 145.41 & 444.25
- ◆ 220 Net, Wednesday 2000hrs, 224.840 MHz -1.6, PL 91.5

HF

Tar Heel Emergency Communications Net on 3923 kHz Nightly 1930.

NTS CW Nets

- ◆3.571 2000 hours, slow speed (5-8 wpm) Carolinas Slow Net
 - ◆3.573 1900 hours, high speed (20wpm)
 - ◆3.573 2200 hours, slow speed (12-14 wpm), South Carolina/North Carolina
- National Traffic System**
Eastern North Carolina Traffic Net (ENCTN)
146.685 (146.085 in) MHz (PL 88.5)
2030E

More Nets:

New Swap and Trade Net - There will be a new swap and trade net starting up on 6 meters 53.25 N4YR repeater -1.0 MHz, tone is 100 Hz at 8PM.

Thursdays: 8:30 PM Forsyth County Auxcomm net on 145.47 MHz. 3rd Thursdays are training programs on Zoom at 8:00PM.

Thursdays: 9:00 PM 2 Meter SSB on 144.200 MHz

Sundays: 8:30 PM 6 meter SSB net on 50.155 MHz

Sundays: CW Legacy Net every Sunday from 12:30-1:45 p.m. every Sunday afternoon on 7.060. All speeds and brands of rigs welcome. Net control: Rick, WO8L

Tar Heel Emergency Communications Net on 3923 kHz Nightly 1930.

South Carolina/North Carolina National Traffic System CW Nets 3.571 2000 hours, slow speed (5-8 wpm) Carolinas Slow Net 3.573 1900 hours, high speed (20wpm) 3.573 2200 hours, slow speed (12-14 wpm),

The have been Ten-Tec Legacy CW slow net and CW fast net discontinued.

The nets operate on:

Ten-Tec Legacy SSB 3.927 MHz on Saturday morning from 6:00 am until 9:30 am

7.195 MHz on Sunday afternoon from 1:30 pm until 3:30 pm

Any radio type is welcome. Netlogger is the preferred check-in method but CQ calls are made for those that don't have access to Netlogger. More information can be found at www.groups.io (search for Ten-Tec Legacy nets).

Virginia EmComm (A Winlink practice group)

This is a Facebook Group that practices Winlink and other related modes every Wednesday. Many Hams all over involved. All are invited to take part in it.

Ham Ads

Ham Ads will be run, free of charge in Ham Chatter for three months for each renewal. Ads must be received by the last week of the month to be included in the following issue. Send ads to: **Ham Chatter, PO Box 8387, Greenville, NC 27835. Or Email the Ham Chatter.**

Used Radios and equipment for Sale:

Ready when you are. Bring to the September Picnic Meeting.

Wanted to buy AL80B Amplifier in good working condition. I would consider other 3-500 Amps, but would prefer an AL80B. Contact Curtis AK4OA at CRW857 (at) AOL (dot) COM



WANTED T-195 TRANSMITTER I know this is a long shot but please let me know if you have or know of someone with the T-195 transmitter for sale. Alternatively, I would purchase the entire GRC-19 rig if needed. This is a vintage military rig built in 1951. 120W AM, CW, or FSK. Runs on 26.5VDC at 40 amps with a startup current of 250 amps. It has two cooling blowers that are as loud as your shop vac. Weight 120 lbs. Contact Mack, W4AX w4ax.mack gmail com



RIG BLASTER ADVANTAGE EXTERNAL SOUND CARD

I am selling a Rig Blaster Advantage External Sound Card . This rig gives access to the digital services such as FT8. Works remarkably well! I used it for 2 months until I bought a rig with its own internal card. It will support virtually any radio. West Mountain Radio sells the Rig Blaster for \$210. http://www.westmountainradio.com/product_info.php?products_id=rb_adv



West Mountain has superb telephone support for this unit! The reviewers on eHam.net rave about this rig: <https://www.eham.net/reviews/view-product?id=9765>



Price is \$100. David Rodwell, WB0QOA, david <at> davidrodwell <dot> com 336 nine nine five 8863

RADIO SHACK PRO-2096 DIGITAL TRUCKING SCANNER

I am selling my Radio Shack PRO-2096 Digital Trunking Scanner. They seem to be bringing between \$200 to \$250 on eBay. Everything included in original box is there. This scanner was created after all the changes in emergency comms following 9/11. eHam gave it 4.3 stars out of 5: <https://www.eham.net/reviews/view-product?id=4901>



Price is \$150. David Rodwell, WB0QOA, david <at> davidrodwell <dot> com 336 nine nine five 8863

Ham Ads

Commercial Ad Rates

1/8 page, Business Card Size
 \$10 per Month - \$100 per Year
 Send ads to: **Ham Chatter,**
PO Box 8387, Greenville, NC 27835
 Help support *Ham Chatter* and the club.
Donations accepted!

How to print a copy of your FCC License

by Jim, KV4SJ

To access an official copy of your license:

1. Go to: [HTTPS://wireless2.fcc.gov/UIsEntry/licManager/login.jsp](https://wireless2.fcc.gov/UIsEntry/licManager/login.jsp)
2. Log in with your FRN and password. (Also has links to find or get your FRN.)
3. Click on "Download Electronic Authorizations" in the links on the left hand side.
4. Select your call sign in the box labeled "My Authorizations" and click on the Add button to copy it into the "Authorizations to Download" box.
5. Click on the Download button to download an official copy of your license in PDF format.
via Forsyth ARC Newsletter, August 2020

BARC on FACEBOOK

<https://www.facebook.com/w4amc/>

Facebook and Group details

<http://www.w4amc.com/barcnews.html#BARC>

Pitt County Repeater Association

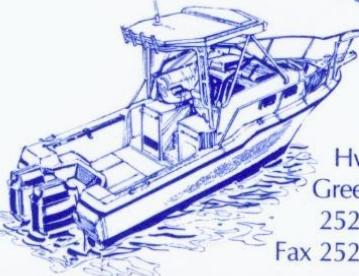
<http://www.pcra.us/>

Monday & Monday, CPA's, PA
 Certified Public Accountants

TERRY A. MONDAY, CPA, CVA, EA
K4ZYD

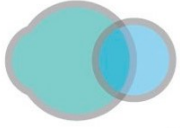
105-D East Victoria Ct. Phone (252) 321-6007
 Greenville, NC 27858 Fax (252) 321-2991

MARK'S MARINE, INC.



Mark Langley
 Mike Langley
KD4MTT

Hwy. 33 East
 Greenville, NC
 252 758-3309
 Fax 252 758-1396



East Carolina Retina
 CONSULTANTS

Peter Van Houten, M.D.
 2501a Stantonsburg Road
 Greenville, NC 27834
 252-758-2402
<https://ECRetina.com>

CALENDAR OF EVENTS

Contest, Events and Meetings

2022 Starts Here: Just some of the MANY contests and Events

- Sept 3-4 Colorado QSO Party
Sept 4-5 Tennessee QSO Party
Sept 10-11 Bike MS, New Bern, Meeting early Saturday morning 6:30am
Sept 10-11 Alabama QSO Party
Sept 13 **BARC Picnic at Dave Woods 6pm**
Sept 17-18 Texas QSO Party
Sept 27 BARC Board Meeting 7pm Zoom
Oct 11 BARC Meeting 7pm
Oct 25 BARC Board Meeting 7pm Zoom
Oct 30 Marine Corps Marathon in Washington, DC, and Arlington, Virginia
Nov 8 BARC Meeting and ELECTIONS 7pm
Nov 29 BARC Board Meeting 7pm Zoom
Dec 13 BARC Christmas Party Meeting
Dec 27 BARC Board Meeting, Last for the year. Old and New Officers, please attend. 7pm Zoom
Dec 30 BARC 2023 DUES about Due. Please Renew.
Jan 1, 2023 Starts Here:
Jan 10 BARC Meeting 7pm, **Great time to pay Dues if not done yet.**
Jan 31 BARC Board Meeting, **Chatter needs reports please, Zoom**

Contest Calendar: For more Contest and all the rules:

<https://www.contestcalendar.com/weeklycont.php>

Visit the [ARRL Contest Calendar](#) for more events and information.

Bruce Horn, WA7BNM, [Contest Calendar](#) website. The site now includes a [5-Week Calendar](#) .
There's more than I could post available.

CALENDAR OF EVENTS

BARC Meetings are open to all.

BARC Regular Meeting - 2nd Tuesday @ 7:00 PM
Live and Zoom

BARC Board Meeting - Last Tuesday @ 7:00 PM
ZOOM

South Carolina Section Convention, Rock Hill,
South Carolina

Find conventions and hamfest's [in your area](#).
Check the calendar of events on the ARRL website.

Upcoming ARRL Section, State, and Division Conventions and Hamfest:

Find even more Special Events at
www.arrl.org/special-event-stations

2022:

September 2-4 Shelby Hamfest can be found at <http://shelbyhamfest.com/> Cleveland County Fairgrounds in Shelby, NC

September 11 | [ARRL Southern New Jersey Section Convention](#), Mullica Hill, New Jersey

September 17 - 18 | [Midwest Superfest 2022](#), hosting the ARRL Illinois State Convention, East Peoria, Illinois

September 17-18 | [QSO Today Virtual Ham Expo](#) (online event). *ARRL is a QSO Today partner.*

September 23 - 24 | [HRO Superfest](#), hosting the ARRL Central Division Convention, Milwaukee, Wisconsin

September 24 | [Red River Radio Amateur Hamfest](#), hosting the ARRL Dakota Division Convention, West Fargo, North Dakota

September 24 | [Spokane Hamfest](#), hosting the ARRL Washington State Convention, Spokane Valley, Washington

October 1 | [Wichita Area Hamfest](#), hosting the ARRL Kansas State Convention, Wichita, Kansas

October 1 | [Rock Hill Hamfest](#), hosting the ARRL

BARC 2 METER NET - MONDAY NIGHTS AT 8:00 PM - 147.09 W4GDF REPEATER - 131.8 Tone
Down East Hospital Net - 2nd Tuesday at noon - Greenville 444.725 MHz, 91.5 tone N4HAJ
BRIGHTLEAF AMATEUR RADIO CLUB STATIONS

W I V O A - W 4 A M C - W 4 U H S